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Resolution on the forest Admn. Report of the Lower Burma for the year 1892-93

A - Govt of Burma

S - forest / Report Burma / 1893

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RESOLUTION

ON THE

FOREST ADMINISTRATION REPORT

OF

LOWER BURMA

For the year 1892-93.

Extract from the Proceedings of the Chief Commissioner, Burma, in the Forest Department,—No. 2R.-1, dated the 31st December 1893.

READ—

Reports of Conservators on the administration of the forests of the Tenasserim and Pegu Circles for the year 1891-92.

RESOLUTION.—The reports of Conservators were, as usual, submitted with punctuality. In accordance with orders issued in 1892 they deal with a period of 15 months, from the 1st April 1892 to the 30th June 1893. Future reports will be for the forest year, *i.e.*, from the 1st July to the 30th June.

Reservation.

2. The area of reserved forests was increased by 169 square miles during the year under review. This area was composed of 52 square miles of padauk forest in the Salween-Attaran division, Tenasserim Circle, 60 square miles of cutch forest in the Thayetmyo division, Pegu Circle, and 57 square miles of teak forest, 14 of which were situated in the Salween division, Tenasserim Circle, and 43 in the Rangoon division, Pegu Circle. Enquiries with a view to the reservation of several areas of considerable size were also made in the Western and Shwegyin divisions. The areas in respect of which these enquiries were held have been notified as reserves since the close of the year. The total area of reserved forest in Lower Burma at the end of 1892-93 was 5,790 square miles, of which 456 were burdened with taungya privileges. In June 1892 kaunghmu, a tree used in boat-building, was declared reserved in the Mergui district, and in the same month pyinkado was declared reserved in the Mergui and Tavoy districts. The former measure was taken in order to equalize the duty on kaunghmu to that levied on the other kinds of timber, kadut and thingan, which are used for boat-building; the latter measure was adopted in order to protect pyinkado from over-working. One hundred and twenty miles of boundaries were demarcated during the year and 536 miles of boundary were repaired. The expenditure on this work was Rs. 4,382.

Karen areas.

3. In their orders on last year's report the Government of India asked for the Chief Commissioner's opinion on the system which has been followed in Lower Burma since 1877 of setting apart within reserves special areas called Karen areas, in which taungya cultivation is permitted. In Mr. Fryer's opinion the system is well suited to the circumstances of the cases in which it is adopted and has been successful. In the first place it enables Government to treat the claims of the wild

people who practice taungya cultivation with proper consideration. These people cling to their homes, attach little value to money, and are unwilling as a rule to be bought out. To expropriate them would be to inflict on them hardships which the requirements of forest conservancy hardly justify. Under the system of taungya areas it is possible to retain them in their homes while restricting within comparatively narrow limits their injurious method of cultivation. In the second place the formation of these Karen areas provides a supply of labour for sylvicultural operations which is often very useful. The occupiers of the Karen areas are employed in planting and other similar work for which it would be necessary to bring labourers from a distance at considerable expense if reserves were entirely denuded of population. In view of these considerations Mr. Fryer is satisfied that the system of Karen areas has proved successful, and he is not in favour of making any change.

Forest surveys.

4. Imperial Survey Party No. 20 was employed during 1892-93 in the reserves of the Toungoo division. The season's work consisted of the detail survey of 213 square miles on the 4-inch and 113 square miles on the 2-inch scale, the traverse survey of 402 square miles, and the triangulation of 300 square miles. The Imperial forest survey triangulated 319 square miles of forest in the Tenasserim Circle and executed detail and linear surveys of 160 square miles.

Working plans.

5. The usual Working Plans party was employed in the Pegu Circle during the year under review. About 198 square miles of forest were dealt with at a cost of Rs. 12,733. Working plans of the Shwele, Nawin, and Kangyi forests, the result of the work of 1891-92, were sanctioned during the year.

Offences against forest rules.

6. The number of cases pending at the beginning of the year was 43, all in the Pegu Circle, the number of cases occurring in the year was 2,456, of which 2,023 took place in the Pegu and 433 in the Tenasserim Circle. There was a large increase in the number of cases as compared with 1891-92, even when account is taken of the fact that the period under review covered 15 months. The increase was contributed mainly by the Thayetmyo division and is attributed by the Conservator to increased energy in the protection of teak and other reserved trees. While acknowledging the zeal of the Forest Officers in Thayetmyo the Officiating Chief Commissioner desires that they will bear in mind that Thayetmyo is a poor district and that it is not expedient to harass the people by too strict enforcement of the forest law, particularly when they are driven by failure of crops to appropriate forest produce from reserves. Out of a total of 1,975 cases disposed of during the year 1,933, or 98 per cent., resulted in convictions and 42, or 2 per cent., in acquittals. These percentages show that care was exercised in instituting prosecutions. Eighty-four cases were pending at the close of the year.

Fire-protection.

7. Fire-protection was very successful in the Tenasserim Circle in 1892-93. Of an area of 148 square miles attempted the whole was successfully protected, with the exception of 78 acres, at a cost of Rs. 64-5-0 per square mile against Rs. 56-14-0 per square mile in 1891-92. As directed in paragraph 10 of the Government of India's orders on last year's Resolution, a report was called for in 1892 as to

the reason for withdrawing 217 acres of plantation from fire-protection in the Tenasserim Circle. This area was withdrawn from protection in 1890-91 in consequence of a mistaken impression on the part of the Divisional Officer that the plantation had failed and was not worth protection. The Divisional Officer was censured for his mistaken action, which was due to insufficient knowledge of his charge. His successor found that the plantation, though considerably damaged by fire, had not been destroyed and it has since been properly cared for. In the Pegu Circle the year's fire-protection operations were not so successful as in Tenasserim or as in the preceding year in Pegu. The area attempted was 367 square miles, of which 333 square miles were successfully protected at a cost of Rs. 58 per square mile. Some progress was made during the year in classifying forests according to their liability to fires. Sketch maps and returns exhibiting the various classes of forest were prepared for several divisions in both circles. It is intended to improve and elaborate these maps and returns as further information is collected.

Productions and improvement of forest growth.

8. An addition of 1·95 acres was made to the 23 acres of regular teak-plantation in the Tenasserim Circle. In the Pegu Circle 33 acres were added to the Magayi teak plantation. Of taungya plantations 929 acres or, omitting areas with density of 0·4 or less, 674 acres were planted in the Tenasserim Circle in 1892-93. In the Pegu Circle 1,279 acres of teak, 105 acres of cutch, and 306 acres of mixed teak and cutch were planted. These figures include 63 acres with a density of 0·4 only. In view of the remarks made in paragraph 30 of his report, the Conservator of Pegu seems justified in protesting against the summary exclusion of areas with a density of 0·4 or less as failures. The cutch plantation scheme which was sanctioned in 1891 * has not yet been begun as the full area of reserved cutch forest required in connection with it has not yet been provided. During 1893 several areas of cutch forest were reserved for the purpose in the Thayetmyo and Tharrawaddy districts, and an enquiry is now being held with a view to the reservation of a further area of 82 square miles in Prome. When this area has been provided the scheme of 1891 will be carried out.

* *See* paragraph 8 of the Resolution on last year's report.

Girdling.

9. In the Tenasserim Circle 500 teak, 200 padauk, and 100 pyinma trees were girdled in accordance with the rough working plan of 1881. One thousand seven hundred and twenty-seven more teak trees were girdled in a somewhat irregular manner. The circumstances under which this teak was girdled was as follows. In 1891 the Deputy Commissioner of the Salween district reported that in the wild parts of the district where taungya cultivation is universal outside reserves the rule which prohibits the cutting of teak in taungyas has always remained a dead letter and that if it were enforced the people would emigrate to Siam. As it was not desirable to drive the people out of the country, he was informed that the law need not be enforced in this part of his district. The Deputy Commissioner and Deputy Conservator being of opinion that teak trees in this locality would sooner or later be cut down by taungya cultivators, considered it advisable to have them girdled and worked out on Government account before taungya cultivators destroyed them. It was in consequence of this

decision that the 1,727 teak trees were girdled. The action of the Deputy Commissioner and Deputy Conservator appears to have been judicious, but they should not have taken it without previous reference to higher authority.

10. In the Pegu Circle 8,898 teak trees were girdled in reserved and 10,326 in unreserved forests. The numbers girdled in 1891-92 were 6,832 and 12,101 respectively.

Timber worked out of the forests.

11. The following table shows the quantity of teak and other timber extracted during the year by all agencies:—

	Teak.		Other kinds.		Total.	
	Financial year.	Period of report, *i.e.*, April 1892 to June 1893.	Financial year.	Period of report, *i.e.*, April 1892 to June 1893.	Financial year.	Period of report, *i.e.*, April 1892 to June 1893.
	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
By Government agency	2,562,231	2,628,308	260,162	270,950	2,822,393	2,894,258
By purchasers and under trade permits.	1,140,268	1,185,717	7,611,333	8,985,718	8,751,601	10,171,435
Under free permits ...	24,770	25,021	5,810	7,714	30,580	32,735
By leaseholders of forests.	12,800	12,800	3,600	3,600	16,400	16,400
Total ...	3,740,069	3,846,846	7,880,905	9,267,982	11,620,974	13,114,828
Total for 1891-92 ...	2,914,097	...	8,852,367	...	11,766,464	...
Increase or decrease in the financial year 1892-93.	+ 825,972	...	—971,462	...	— 145,490	...

12. In the Tenasserim Circle 562,727 cubic feet of teak were extracted by Government agency during the period of report. The extractions during the financial year amounted to 501,650 cubic feet against 185,150 cubic feet in 1891-92. The extractions by Government agency of woods other than teak amounted to 224,738 cubic feet. In the two financial years 1891-92 and 1892-93 389,800 cubic feet and 213,950 cubic feet respectively were extracted. The diminution was due to a falling off in the demand for pyinma and, consequently, in the extraction of this class of timber. The extraction of reserved timber by purchasers amounted to 338,069 cubic feet. The figures for the financial years were 546,509 cubic feet in 1891-92 and 275,700 in 1892-93. The large falling off was due mainly to a decrease in extractions of kanyin which fell from 155,540 cubic feet in 1891-92 to 12,472 cubic feet only in the fifteen months covered by the present report. The falling off is attributed by the Conservator to the raising of the duty on kanyin. As, however, the duty on kanyin was raised in October 1890, on its inclusion in the list of reserved trees, the duty was the same in 1892-93 as in 1891-92 and it is not clear how this measure can have had any effect on extractions in the former as compared with extractions in the latter year. The Officiating Chief Commissioner will be glad to receive a further report from the Conservator as to the reason for the great falling off in extractions of kanyin in 1892-93. The extractions of kaunghmu also fell (from 236,818 in 1891-92 to 143,812 cubic feet in the fifteen months covered by the present report), but were larger than in 1890-91, while extractions of

thingan diminished from 121,238 cubic feet in 1891-92 to 92,522 cubic feet in the period of report. The diminution in the extractions of these timbers was due to the enhancement of the rates of duty on them in the Tavoy and Mergui districts. The Conservator has already been requested to report whether the increase was excessive and whether it is expedient to reduce it.

13. The quantity of timber extracted by Government agency in the Pegu Circle amounted to 2,106,793 cubic feet during the period of report, as well as during the financial year, against 1,940,694 cubic feet in 1891-92. The extractions consisted, as usual, almost entirely of teak. Purchasers extracted 7,938,255 cubic feet of timber during the period of report and 6,888,852 cubic feet during the financial year against 7,376,037 cubic feet in 1891-92. The most noticeable variation between the figures of the two years was in extractions of teak which rose from 550,866 cubic feet in 1891-92 to 1,140,002 cubic feet in the financial year 1892-93. This increase was mainly due to larger extractions by Messrs. Macgregor and Company from the Toungoo forests of which they hold a lease.

Miscellaneous and minor forest produce.

14. The number of bamboos extracted during the period of report in the Tenasserim Circle amounted to 2,215,315 and in the Pegu Circle to 46,960,984; of canes to 10,836,200 in the former and 1,969,061 in the latter circle. There was an enormous apparent increase in the extractions of canes and bamboos as compared with the extractions of the previous year. This was due to the imposition of a duty in the latter part of 1891-92. Before the imposition of the duty no tax was levied on these articles and no record was consequently kept of their extraction. The only kind of minor forest produce which is extracted in considerable quantities is cutch. Of this product 125,846 viss were extracted during the period of report against 582,405 viss in 1891-92. The diminution was due to the diminished supply of cutch, the reasons of which have been explained in previous reports.

Revenue and expenditure.

15. The gross forest revenue of the period under report amounted to Rs. 41,43,118; the revenue of the financial year was Rs. 35,83,372 against Rs. 28,58,114 in 1891-92. The following statement exhibits the revenue under the various heads;—

	Period of report.	Financial year		Increase or decrease in financial years.
		1891-92.	1892-93.	
	Rs.	Rs.	Rs.	Rs.
From timber and other produce removed from the forests by Government agency.	25,47,558	18,96,246	22,10,712	+ 3,14,466
From timber and other produce removed from the forests by consumers or purchasers. — Timber	8,49,994	5,27,005	7,77,535	+ 2,50,530
Firewood and charcoal ...	40,119	22,473	27,871	+ 5,398
Bamboos	57,538	15,217	49,555	+ 34,338
Grazing and fodder grass	505	409	489	+ 80
Other minor produce ...	89,446	51,224	67,323	+ 16,099
Confiscated drift or waif wood	1,17,870	89,321	96,052	+ 6,731
Duty on foreign timber and other forest produce ...	3,78,187	2,14,992	3,05,019	+ 90,027
Miscellaneous	61,901	41,227	48,816	+ 7,589
Total ...	41,43,118	28,58,114	35,83,372	+ 7,25,258

The revenue of the Tenasserim Circle in 1892-93 exceeded that of the previous year by almost a lakh-and-a-half of rupees. The increase was due partly

to the higher price of teak, partly to the enhancement of the duty on thingan, and partly to larger realizations from the 7 per cent. *ad valorem* duty levied at Kado. The revenue from this latter source increased by nearly a lakh of rupees in consequence of larger importations of timber. The gross revenue of the Pegu Circle during the financial year 1892-93 amounted to Rs. 27,87,596 against Rs. 22,07,514 in 1891-92. The increase is contributed nearly in equal shares by timber extracted departmentally and timber extracted by purchasers. In the case of timber of the former class the increase was due to larger sales from the Rangoon depôt, in the case of timber of the latter class to larger extractions by Messrs. Macgregor and Company from their leased forests in Toungoo. The expenditure of the period of report amounted to Rs. 15,12,878, of the financial year 1892-93 to Rs. 13,05,608 against Rs. 12,69,739 in 1891-92. It is very satisfactory that the increase in expenditure bore so small a proportion to the increase in revenue. The increase took place entirely in the Tenasserim Circle and was due mainly to larger expenditure on improvements to the forests and to special items, such as the purchase of a forest launch. The expenditure of the Pegu Circle decreased by Rs. 4,978. The net forest revenue of Lower Burma in the last two financial years was:—

	1891-92.	1892-93.
	Rs.	Rs.
Tenasserim	3,01,687	4,06,016
Pegu	12,86,688	18,71,748
Total ...	15,88,375	22,77,764

From the surplus of 1892-93 has to be deducted a sum of about Rs. 50,000 on account of surveys which has not yet been entered in the accounts.

Imports and exports of teak.

16. The imports of teak into Moulmein by the Salween amounted to 72,321 tons in 1892-93 against 74,165 tons in 1891-92. The proportion of full sized timber was somewhat larger than in 1891-92. The imports of teak by the Irrawaddy and Sittang in 1892-93 amounted to 130,795 tons against 80,793 tons in 1891-92. The large increase in 1892-93 was due to the fact that large quantities of timber which would ordinarily have come out of the Sittang in 1891-92 were detained till 1892-93 owing to shortness of rain in the Eastern division in 1891.

17. The following statement shows the exports of teak from Rangoon and Moulmein during the last five years:—

	From Moulmein.		From Rangoon.		Total.		
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Average value per ton.
		Rs.		Rs.		Rs.	Rs.
1888-89 ...	93,465	77,21,819	62,969	48,99,547	156,434	1,26,21,366	80·7
1889-90 ...	80,871	70,05,857	103,560	81,84,843	184,431	1,57,90,700	82·4
1890-91 ...	64,227	47,01,434	110,888	78,75,794	175,115	1,25,77,228	71·8
1891-92 ...	62,820	41,88,267	99,647	75,13,397	161,967	1,17,01,664	72·2
1892-93 ...	106,850	72,57,412	109,336	91,85,043	216,186	1,64,42,455	76·06

Of the exports from Moulmein 17,250 tons went to Europe and 83,291 to Indian ports. Rangoon sent 36,654 tons of its exports to Europe and 75,424 tons to Indian ports.

Services of Officers.

18. The period under report was remarkable for the large increase in revenue which took place in it, and the Forest Officers are to be congratulated on the success of their administration. The increase of revenue and the development of forest work which have taken place in Lower Burma in recent years have added considerably to the labours of the superior forest staff, which is no stronger now than it was ten years ago. The time is now come, in the Officiating Chief Commissioner's opinion, for making a permanent addition to the staff, and the Government of India are about to be addressed on the subject. The Officiating Chief Commissioner's special acknowledgments are due to Mr. Carter and Major Bingham for the zeal and ability with which they administered their charges during the period under report.

By order of the Chief Commissioner,

C. G. BAYNE,
Revenue Secretary.

BENGAL SECRETARIAT LIBRARY

REPORT

ON

FOREST ADMINISTRATION

IN

THE TENASSERIM CIRCLE

For the year 1892-93,

BY

MAJOR C. T. BINGHAM, CONSERVATOR OF FORESTS.

INTRODUCTION.

THE Tenasserim Circle covers an estimated area of 35,308 square miles, of which 941 square miles may be roughly reckoned as cultivated land, the remainder being almost entirely covered by forests.

For Forest Administrative purposes the circle is apportioned into four divisions.

These are—

	Estimated area. Square miles.
West Salween division	5,587
Salween-Ataran division	12,505
Kado division	2,256
South Tenasserim division	14,963

Of the total area under forests 1,877 square miles are comprised in reserved forests containing 148 square miles of fire-traced area and 9,339 acres of regular and taungya teak plantations.

In addition, at Mergui, 111 acres are under cultural operations for experiments on the introduction of valuable foreign forest products, trees, &c.

The teak forests which form the most valuable portion of the State forest property lie all in the northern half of the circle.

Teak, so far as has been observed, does not in Tenasserim extend much below the latitude of Yè, 15° 5′N; such stragglers of the species as are found further south being of poor growth, sickly, and ill-formed.

In past years the teak forests on the Thaungyin, Salween, and Yunzalin rivers, and more especially those in the valley of the Ataran, were the sources from which the supplies of the famous "Moulmein teak" were drawn. But for years past the yield has deteriorated both in quantity and immeasurably in quality, the forests having been ruthlessly worked mostly under the pernicious lease system, which still lingers in the five unexpired leases now running in the Ataran valley.

Besides teak several other valuable woods, padauk (*pterocarpus*), kanyin (*dipterocarpus lævis*), thingan (*hopea odorata*), kaunghmu (*shorea stellata*), pyinma (*lagerstrœmia*), pyinkado (*xylia dolabri formis*), &c., are to be found in more or less abundance in Tenasserim, more especially in the southern forests, and until the teak forests under the State management and care now given to them shall have recuperated themselves, the forest outturn and revenue must, in the near future, depend largely on the introduction into the market of woods other than teak.

One of the great wants in the circle is the want of good communications in the interior. Practically speaking the rivers (many of which including the chief river, the Salween, are blocked by rapids) are the chief means of communication. Roads are few and far between; the extent of the roads made by the Public Works Department of the State is as yet small; and the country roads are mere jungle tracks leading from village to village and liable to alteration, and even complete obliteration on the removal of a village-site.

It is this want of easy and rapid communication that makes the forest administration of the circle difficult and retards in many ways the introduction of a more thorough supervision and management of the forests.

The report which follows deals, in accordance with Circular No. 16F., dated the 7th June 1892, Resolution in the Revenue and Agricultural Department, with the period of 15 months from 1st April 1892 to 30th June 1893. Wherever it has been deemed necessary, the figures under the various heads for the periods of the financial years 1891-92 and 1892-93 have been compared.

The following information contained in the report may be briefly summarized here—

The total area of reserved forests was increased during the year by 66 square miles.

The demarcation of three out of the five new padauk reserves in the Haungtharaw valley was completed.

The Imperial Forest Survey Party continued their work in the Thaungyin valley triangulating over 319 miles, and making detail and linear surveys over 160 miles.

A new timber slip was built at the Battery Point Depôt, Moulmein.

General protection was afforded to the forests by the prosecution of 194 cases before Magistrates, and the compounding for various sums by Divisional Officers of 239 cases of breach of rules.

Protection from fire was successfully afforded to 148 square miles of forest reserves, and a total of 929 acres of taungya teak plantations were made, of which 674 acres were retained.

Experiments in regard to Para rubber and other introduced forest products was continued at Mergui.

During the year 25,955 logs, aggregating 11,254 tons, of teak, and 4,508 logs, or 4,495 tons of woods, other than teak, were extracted by Government agency, and 6 tons teak and 44,657 tons of woods, other than teak, extracted by consumers and purchasers. The gross yield of the circle for the 15 months under report was teak 12,621 tons, woods other than teak 49,392 tons, firewood and charcoal 6,526 tons, bamboos 2,218,215, and canes 10,837,177.

The gross revenue of the circle was Rs. 9,16,112. The gross expenditure Rs. 4,47,954, leaving a net revenue of Rs. 4,68,158.

One Assistant Conservator of Forests and one Extra Assistant Conservator of Forests were posted to the circle, and one Extra Assistant Conservator of Forests was retired as physically unfit for the service.

CHAPTER I.

EXTENSION AND CONSTITUTION OF STATE FORESTS.

1.—Alteration of Area.

1. The addition to the area of reserved forests during the past year was 66 square miles, raising the total area of reserved forests in the circle to 1,877 square miles.

2.—Forest Settlements.

2. By Notification No. 323 (Forests), dated the 30th September 1892, 14 square miles were added to the Mepalè block of reserves, Salween-Ataran division,

thereby making the heretofore detached reserves of Mithawe, Kamawkala, East and West Mepalè into one conterminous block, now called the Mepalè-Thaungyin reserve. By Notification No. 64 (Forests), dated the 7th January 1893, five tracts, aggregating an approximate area of 52 square miles, were declared reserved forests for padauk.

No expenditure was incurred on settlements.

3.—*Demarcation.*

3. The demarcation of the additions to the area of reserved forests was commenced but not completed before the close of the forest year. Details are given below.

Boundaries of existing State reserves with the exception noted below have been inspected and reported in good order.

West Salween Division.

The Divisional Officer reports that owing to deaths and sickness in the subordinate staff nothing has been done during the past year to repair boundary boards on boundaries of reserves, which boards are reported to be in a defective state.

Salween-Ataran Division.

The demarcation of the 14 square miles added to the Mepalè block of reserves entailed no expenditure, being done by the local subordinate staff.

The demarcation of the five padauk reserves was commenced in May, but only three reserves were completed previous to the close of the forest year.

The demarcation has been done by boards and posts. The cost for 56 miles demarcated being Rs. 588 or Rs. 10-8-0 per mile, which includes the cost of carriage of boards from Moulmein, a heavy item.

A further sum of Rs. 355-4-6 was spent in this division on the clearing of boundaries of reserves in the Thaungyin valley in connection with the Imperial Forest Survey operations.

Rupees 14 were also spent in the repair of existing reserve boundaries.

Kado and South Tenasserim Divisions.

The boundaries of the reserves in these divisions are reported to be in good order. No expenditure was incurred during the year.

4.—*Surveys.*

4. The following table exhibits the work of the Imperial Forest Survey in the Tenasserim Circle done in 1891-92 and in 1892-93 with cost rates for 1891-92:—

Description of work.	Area in square miles.	Cost rates per square mile.
1891-92.		Rs. A. P
Triangulation	643	15 8 0
Traverse	168	31 4 0
4-inch Detail survey	128	86 0 0
1892-93.		
Triangulation	319	The Superintendent, Forest Surveys, notes:— "It will not be possible to deduce the mileage cost rates of the work until the close of the Survey year."
4-inch Detail survey	88	
4-inch Linear survey	16	
2-inch Linear survey	56	

The total cost for the Survey year 1st October 1891 to 30th September 1892 was Rs. 33,038, and from 1st October 1892 to 30th June 1893 Rs. 13,991 have been spent.

No traverse party was detailed to Tenasserim in 1892-93.

5. It has to be noted that the heavy work of clearing the traverse lines for the survey had to be done departmentally and the cost of the work was charged to demarcation.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

I.—Regulation of Management.

(a) *Working plans and their control.*

6. The provisions of the rough Working Plans in force in the circle, as modified by the orders of the local Government (letter No. 160-1G. 3, dated the 9th August 1892), have been worked up to as far as possible.

(b) *Annual plans of operations.*

7. Submitted by all Divisional Officers and on the whole worked up to satisfactorily. The extraction of teak consisting, as it does, in all divisions chiefly of wind fallen and dead timber was in excess of the estimated extraction, while the extraction of woods other than teak owing to the market demand having fallen off was less than was proposed.

II.—Working of the year.

(a) *Communications and Buildings.*

8. Two of the more important floating streams were cleared of snags, over-hanging trees, &c., during the period under report. A new timber slip was erected at the Battery Point Depôt at Moulmein. One new forest rest-house and three guard-huts on the Salween built and existing buildings thoroughly repaired. The details are as follow :—

West Salween Division.

Clearing of the upper reaches of the Dôndami river completed at a cost of Rs. 100.

Salween-Ataran Division.

Clearing of the Hlaingbwè stream executed by Pyinma contractor on condition of being allowed full rates on neaped and mud-embedded logs of former years.

The two abandoned police guard-houses in the Thaungyin and Haungtharaw valleys purchased for Rs. 20 and the one in the Thaungyin converted into a forest rest-house at a cost of Rs. 92. The repairs to existing buildings and erection of three temporary huts for the use of inspecting officers in the rains came to Rs. 23.

Kado Division.

Clearing of the lower reaches of the Dôndami cost Rs. 89 and of the Gyo stream Rs. 31 ; this latter sum being not disbursed till after the close of the forest year. The subdivisional office and buildings at Kado are very old and have during past years had few repairs done to them. During the period under report they were thoroughly repaired and added to, the embankment and boundary pillars of the depôt mended and the lower guard-house beside other existing buildings seen to. The total cost came to Rs. 1,265, of which Rs. 1,182 were disbursed during the financial year.

South Tenasserim Division.

The erection of a guard-house at Tavoy as check station for the collection of the tax on firewood cost Rs. 125, and of a new boat-shed for the two Government boats Rs. 19. Repairs to existing buildings came to Rs. 82.

Agency Division.

The conveniences for landing and launching timber at the Battery Point Depôt, Moulmein, have for years past been very inadequate. A second timber slip was therefore erected during the period under report and cost Rs. 900 exclusive of timber supplied from the stock at the depôt, the value of which is estimated at Rs. 889. Repairs to the old slip amounted to Rs. 78 and to existing buildings Rs. 119. The total expenditure came to Rs. 1,097, of which Rs. 1,046 was disbursed during the financial year.

(b) *Protection of Forests from injury.*

1.—*General protection and breaches of Forest Law.*

9. The total number of cases in the circle for the period 1st April 1892 to 30th June 1893 brought before Magistrates was 194, in which 95·4 per cent. of convictions were obtained.

During the same period 239 cases were compounded by Divisional Officers for Rs. 3,782 ; Rs. 528 were disbursed as rewards to informers.

The figures for the financial years 1891-92 and 1892-93 compare as follow :—

	Cases before Magistrates.	Percentage of convictions.	Cases compounded by Divisional Officers.	Amount received.
				Rs.
1891-92 ...	143	92·6	156	6,714
1892-93 ...	162	95·7	190	8,638

The difference in the amount of compensation received is accounted for by the fact that in not nearly so many cases in 1892-93 was the full penalty of Rs. 50, as allowed by section 66, clause (3) of the Forest Act, levied.

10. The subjoined table gives a concise summary of the cases of the year.

Division.	From 1st April 1892 to 30th June 1893.						Remarks.
	Cases brought before Magistrates.	Precentage of convictions.	Fines.	Cases compounded by Divisional Officers.	Amount of compensation.	Rewards to informers.	
West Salween	...	...	...	2	6	...	Five cases of breach of section 25 of the Act took place inside reserves, and 137 cases were in respect of timber in transit outside boundaries of reserves.
Salween-Ataran	17	88·2	275	127	2,108	...	
Kado	157	99·3	3,598	30	673	468	
South Tenasserim	20	70	...	71	935	60	
Total ...	194	95·4	3,873	229	3,782	528	

2.—*Protection from Fire.*

11. Fire-protection has been almost completely successful during the year under report. The area attempted to be protected was 148 square miles as against 142 the previous year.

Of the 148 square miles only 78 acres or a little over one-eighth of a square mile was burnt, giving as a result 99·9 per cent. of the area attempted as successfully protected. The cost was Rs. 64-5-0 per square mile as against Rs. 56-14-0 during 1891-92. The increase in expenditure is explained below under detail in the West Salween division.

West Salween Division.

Area attempted to be protected 63 square miles.
Failures 20 acres.
Cost per square mile of area actually protected Rs. 69.

In this division the entire work of fire-protection and the improvement of forest growth is executed by coolies hired for the year, and the expenditure on them divided between the different heads. The Divisional Officer has this year debited too large a proportion to the cost of the annually hired labour to fire-protection.

Salween-Ataran Division.

Area attempted to be protected 85 square miles.
Failures 58 acres.
Cost per square mile of area actually protected Rs. 60-13-0.

Of the failures 20 acres traversed by fire consisted of plantations, to which no injury, however, resulted, and the remaining 58 acres consisted of dry forest. The fires were started by wayfarers in one case, while incendiarism was suspected in a second; no proof, however, was obtainable. Rupees 84 were disbursed in the Salween-Ataran division to villagers for prompt assistance given in suppressing one fire.

12. During the year sketch maps and returns were submitted in accordance with the orders of the Government of India (letter No. 1123F., dated the 30th October 1891, from the Secretary to the Government of India, Revenue and Agricultural Department). In these an attempt was made to show the area of unprotected forests in the circle which annually escapes fire. The returns are incomplete, but up to date it is estimated that 1,070 square miles of forests escape fire without any special measures taken for their protection.

3.—*Regulation of grazing and protection from cattle.*

13. The right of grazing elephants allowed in the Mekanè reserve, Salween-Ataran division, was as usual exercised during the past year. Five cases of cattle

trespass as noted above were detected and compounded by the Divisional Officer, Salween-Ataran Division.

(c) *Improvement of Forest growth.*

1.—Natural reproduction.

14. As bearing on the natural reproduction of teak it is a noteworthy fact that there are many localities in Tenasserim where for some unknown reason teak seed rarely matures, and seed locally collected for sowing in taungya teak plantations is very often entirely worthless. For the last two years the supply of seed for taungya teak cultivation in this circle has been imported largely from the Pegu circle, and contrary to what was anticipated the results are far better than can be obtained with locally collected seed.

15. Divisional Officers' notes on natural reproduction are exceedingly brief. The officers state that without a trained staff it is impossible to do more than note generally a few of the facts of reproduction and of forest growth inside fire-traced reserves.

The following remarks have been submitted—

West Salween Division.

In general the natural reproduction of teak in the West Salween division is limited in quantity and poor in quality, although the species is widely distributed, it attains but a poor development. For girdling of useless species in order to promote the regeneration of better species the West Salween division offers little scope.

In respect of species other than teak I have observed narrow strips of forests on the Yunzalin river in which the age classes of kanyin and also sometimes of thingan are represented in an unusual just proportion.

Salween-Ataran Division.

In the fire-traced areas the natural reproduction of teak and other valuable species is progressing favourably, but in unprotected areas annually traversed by fire it is almost at a standstill.

Kado Division.

In many of the localities of the Myaingale forests good natural reproduction of teak was noticeable.

2.—Artificial Reproduction.

16. Only in two divisions of the circle is artificial reproduction by taungya teak cultivation carried on. The results in both divisions are better than they were during the previous year, although the acreage owing to the cause mentioned below was considerably below the area in 1891-92. The expenditure per acre is in excess consequent on better results obtained. Taking the whole area planted during the year under report as compared with the whole area planted in the previous year the results are as follows :—

			Total area planted.	Cost.	Cost per acre.
			Acres.	Rs.	Rs. A. P.
1891-92	...	...	1,599	9,079	5 10 9
1892-93	...	...	929	6,905	7 6 11

Comparing the acreage with a density of stock 0·5 and above ; in 1891-92 there were 52·1 per cent., whereas in 1892-93 there were 62·9 per cent. of the same density of stock.

The decrease in the total area planted is chiefly in the West Salween division. The Divisional Officer reports that about a thousand acres were cleared for taungyas, but only half that amount could, owing to the early break of the monsoons, be burnt or utilized. In the Salween-Ataran division a hundred acres cleared could not be utilized for want of seed which was very scarce and of poor quality.

17. The following table shows the results of taungya teak plantings by divisions excluding areas with a density of stock of less than 0·4 :—

Density of Stock.

Division.	0·4	0·5	0·6	0·7	0·8	0·9	1·0	Total.
West Salween	42·9	63·1	41·0	58·2	78·2	79·8	25·0	380·5
Salween-Ataran	46·3	65·9	75·4	83·6	...	13·4	...	284·6
Total ..	89·2	129·0	116·4	142·5	78·2	93·2	25·0	674·1

Cost.

Division.	Acres.	Rs.	Per acre. Rs. A. P.
West Salween	380	3,919	10 0 11
Salween-Ataran	285	2,993	10 8 0
Total ...	674	6,905	10 3 11

Weeding.

8. During the year 3,701 acres of former years' teak taungyas were weeded at a total cost of Rs. 6,924 or Rs. 1-13-11 per acre as against 3,344 acres weeded in the previous year at a cost of Rs. 6,251 or Rs. 1-13-11 per acre. The details by divisions are as below.

Division.	Acres.	Cost.	Per acre. Rs. A. P.
West Salween	2,711	4,334	1 0 7
Salween-Ataran	990	2,590	2 9 10
Total ...	3,701	6,924	1 13 11

3.—Early Thinnings.

19. *Nil.*

4.—Other operations for the improvement of the growing stock.

19*a*. *Salween-Ataran Division.*—In the fire-traced areas the natural reproduction of teak and other valuable species is progressing favourably, but in unprotected areas annually traversed by fire it is almost a standstill.

Kado Division.—During girdling operations opportunity was taken to clear a large number of teak from creepers. No special payment was made for this. The actual area so treated was 16 square miles.

5.—Experiments.

20. The mahogany plants at Moulmein and at Duyinseik on the Dôndami river are doing well. Of those at Shwegun on the Salween only two survive.

21. In the Mergui experimental gardens one of the large *hevea* rubber trees died during the year, reducing the number of large trees to 45. The species does well in Mergui and a number of self-sown young plants are springing up. The Divisional Officer reports "it is only now a matter of time for the trees to mature and become fit for tapping." The future work of extending this experiment will have to be considered.

22. *Ficus Macrophylla.*—One hundred and nineteen plants remained at the close of the year and were doing well.

23. *Annotto* (*Bixa Wellana*).—The plants of this species are doing well and yielded during the year 2¾ baskets of seed.

24. The experiment with nutmeg (*Myristica fragrans*) is proving a success. There were 60 trees at the close of the year all healthy and doing well.

25. The following statement shows the number of plants of other species alive at the close of the year :—

	No.
Mahogany	1
Pithecolobium Saman	18
Kyetpaung	102
Akyaw	45
Taungthangyi	11
Sinkozi	241
Kyetmyouk	30
Total ...	448

26. The *Manihot glaziovii* having as reported last year freely reproduced itself over the garden requires no further care.

27. The experiments with the following species have been abandoned as failures:—

Castilloa elastica.	Divi divi.
Musa textilis.	Talineyok.

Broussonetia papyrifera.

28. The cost on the experimental garden amounted to Rs. 998-11-0 up to 30th June 1893.

29. A report of the experiments undertaken with the provincial grant was submitted to the end of the financial year; a copy of it is forwarded as an appendix to this report. Intimation has been received from the Officiating Director of the Department of Land Records and Agriculture (letter No. 41-2A., dated the 3rd July 1893), that the provincial grants for experiments will be discontinued in future.

(*d*) *Exploitation of Major Forest Produce.*

1.—Clear or Regeneration fellings.

30. *Nil.*

2.—Selection fellings.

31. *Girdling.*—In accordance with the rough Working Plans in force 500 teak were selected on a girth limit of 6 feet at 6 feet above the ground and girdled in Block V of the West Salween division. In the Salween-Ataran division no girdling of teak was undertaken in accordance with the sanction of the local Government to the modification of the Working Plans in force.

32. Of trees other than teak the following were girdled:—

In the Salween-Ataran division	200 padauk.
In the Kado division	100 pyinma.

33. Taking advantage of the exemption granted by the local Government in letter No. 146-64M., dated the 11th August 1891, the District Magistrate, Papun, in consultation with the Deputy Conservator of Forests, West Salween Division, had about 1,000 teak of various girths girdled on land in the immediate neighbourhood of Papun that could be used for permanent cultivation. Acting under the same exemption the Deputy Conservator of Forests, West Salween Division, directed a contractor to girdle out-lying teak on already cultivated ground between the Minanwe and Mewaing reserves, in the Salween district, with the following result:—

	No.
Trees of 1st class girth (but of inferior development) ...	346
Below 6 feet in girth	381
Total ...	727

No reference was made previous to putting the above work in hand and a detailed report called for on the girdling of the 1,000 trees in the neighbourhood of Papun was not received up to the close of the year.

34. The results of the exploitation of teak and other reserved woods selection in which latter is made by fixing a girth limit during the period 1st April 1892 to 30th June 1893 were as follow:—

Agency.	Teak.		Reserved woods other than teak.		Remarks.
	Logs.	Tons.	Logs.	Tons.	
By Government	25,955	11,254	4,426	4,432	Exclusive of three tons 31 cubic feet of sawn timber.
By Licensees	...	6	...	6,667	Exclusive of 1,847 tons, licenses for which have been issued by the Civil authorities. No details as yet received.

35. The exploitation of teak took place over estimated areas as follows:—

	Sq. miles.
West Salween division	242
Salween-Ataran division	284
Kado division	48

The workings consisted chiefly of fallen and dead timber and timber from girdlings executed many years ago.

In the Salween-Ataran division a small portion of the outturn consisted of teak girdled under the provisions of the Rough Working Plans in force in the Circle.

36. The exploitation by licensees was spread over the whole circle, selection being guided by the girth limit as stated above.

37. Exploitation in the leased forests of the Ataran is allowed on a basis of a girth limit of 7 feet 6 inches only. One of the leased forests, the Mitiki-Kodugwè, estimated area 4 square miles, was worked during the period under report and duty was paid on 591 logs of teak and other reserved woods.

3.—Improvement fellings.

38. *Nil.*

4.—Coppice fellings.

39. *Nil.*

5.—Unregulated fellings.

40. The results of exploitation of unreserved woods felled under no regular system of selection and extending over the whole circle was from the 1st April 1892 to 30th June 1893 as follow:—

Timber.

	Logs.	Tons.
By Government Agency	82	63
By Licensees	51,366	37,580
Total ...	51,448	37,643

and 817 bundles of brushwood used as dunnage for ships for which licenses were issued.

Firewood and Charcoal.

	Estimated Tons.
By Consumers and purchasers	6,526

Bamboos.

	No.
By Licensees	2,215,815

Canes.

By Licensees	10,836,200

41. Under the orders of the local Government certain of the forests in each division were closed to the issue of licenses for unreserved timber (except bamboos and canes) from the 1st June 1892. The orders were in force up to the end of the forest year.

Extraction on transport of Major Forest Produce.

1.—Timber extracted by Government Agency.

42. The subjoined statements give by divisions the extraction and transport by Government Agency (1) of teak, (2) of woods other than teak during the period of 15 months under report.

Teak.

Division.	Logs.	Cubical contents.	Remarks.
		C. Feet.	
West Salween	6,901	116,868	
Salween-Ataran	15,609	413,053	
Kado	3,445	32,786	
	2,111	54,387	Drift lapsed to Government.
Total ...	28,066	617,114	

During the financial years 1891-92 and 1892-93 the figures for the extraction of teak and of drift teak lapsed to Government were as follow:—

	Logs.	Cubical contents.
1891-92	21,278	185,150
1892-93	23,111	501,650

The increase is due to more favourable conditions of extraction especially in the West Salween division, where forests which for years had not been cleared of wind fallen and dead timber were worked during the period under report.

Woods other than Teak.

Division.	Timber.	Number of logs.	Cubical contents.
			C. Feet.
West Salween	Pyinma	348	15,759
	Kanyin	99	9,053
Salween-Ataran	Padauk	389	17,500
	Pyinma	2,676	118,580
	Thitka	2	62
	Kanyin	515	36,668
	Thingan	2	170
	Unreserved	57	1,969
Kado	Pyinma	174	7,904
	Kanyin	77	6,227
	Thingan	1	133
South Tenasserim	Pyinkado	59	850
	Thitka	40	1,204
	Thingan	29	3,451
	Kanzaw	1	43
	Kanyin	1	120
	Karawè	2	98
	Kaunghmu	4	1,133
	Kadut	7	2,584
	Unreserved	25	1,181
	Total ...	4,508	224,738

To the above must be added in the South Tenasserim division 163 pyinkado scantlings and sleepers measuring 3 tons 31 cubic feet.

During the financial years 1891-92 and 1892-93 the figures of the extraction of the above woods were—

	Logs.	Cubical contents.
1891-92	6,974	389,800
1892-93	4,323	213,950

This shows a falling off of 2,651 logs or 175,850 cubic feet due principally to the demand for pyinma not having been as great as was expected and the extraction consequently discontinued.

2.—Timber extracted under licenses.

43. The statements below give the amounts of reserved and unreserved timber extracted by consumers and purchasers during the period under report.

Reserved Timber.

Division.	Timber.	Cubical contents.	Revenue.
		C. Feet.	Rs. A. P.
West Salween	Teak	266	45 10 0
	Thingan	272	54 6 0
Salween-Ataran	Kanyin	6,000	400 0 0
	Thingan	89,378	43,660 14 0
	Thitka	3,525	705 9 9
	Padauk	2,671	1,250 8 0
Kado	Teak	31	12 0 0
	Kaunghmu	2,532	494 14 9
	Pyinma	1,929	338 7 3
	Thingan	1,363	682 4 6
South Tenasserim	Thingan	1,509	150 14 0
	Kaunghmu	141,280	2,319 5 4
	Kadut	3,350	491 1 3
	Thitka	9,790	535 0 0
	Thitkado	172	10 8 0
	Pyinkado	19,990	712 12 0
	Anan	3,024	153 0 0
	Karawè	1,750	127 0 0
	Kanyin	6,472	152 0 0
	Kanzaw	38,365	1,121 8 0
	Total ...	333,669	53,323 3 10

The figures for the financial years 1891-92 and 1892-93 for the circle were—

	Cubic feet.	Rs.	A.	P.
1891-92	546,509	34,236	3	0
1892-93	275,700	50,278	10	9

The falling off in extraction is due to the raising of the duty levied on thingan and kanyin. The revenue, however, owing to the higher rates charged, has increased considerably.

Unreserved.

Division.	Number of logs and pieces.	Cubical contents.	Revenue. Rs.	A.	P.
West Salween	1,738	70,560	2,624	5	11
Salween-Ataran	9,519	632,500	15,931	4	0
Kado	9,167	363,997	12,004	14	0
South Tenasserim	31,042	806,951	14,835	15	4
Total ...	51,466	1,879,008	45,746	8	0

To the above must be added 817 bundles of brushwood in the Salween-Ataran division charged as small poles, the revenue realized being Rs. 204-6-0.

The figures for the financial years 1891-92 and 1892-93 compare as follows :—

Year.	Logs.	C. ft.	Revenue. Rs.	A.	P.
1891-92	31,496	1,049,700	31,466	9	0
1892-93	43,487	1,587,049	37,017	12	2

showing an increase both in extraction and revenue.

44. During the period of 15 months under report 6,526 tons of firewood and charcoal were extracted by purchasers, the revenue realized being Rs. 3,399-12-3. Details by divisions are as below.

Division.	Firewood. Tons.	Firewood. Revenue.	Charcoal. Tons.	Charcoal. Revenue.
		Rs.		Rs.
Salween-Ataran	3,567	2,057	140	360
Kado	730	83	44	112
South Tenasserim	1,950	708	80	80
Total ...	6,262	2,848	264	552

The duty on firewood was only imposed on the 1st January 1893. The extraction of charcoal during the financial year 1892-93 gave a revenue of Rs. 487 as against Rs. 253 in 1891-92. The extraction of bamboos and canes by divisions was as follows :—

Bamboos.

Division.	No.	Revenue. Rs.	A.	P.
West Salween	172,800	432	0	0
Salween-Ataran	450,590	1,086	15	6
Kado	859,675	2,150	1	0
South Tenasserim	735,150	1,855	15	8
Total ...	2,218,215	5,524	15	9

Canes.

Division.	No.	Revenue. Rs.	A.	P.
West Salween	119,300	52	14	0
Salween-Ataran	191,250	84	8	0
Kado	279,150	70	8	0
South Tenasserim	10,247,477	2,395	0	0
Total ...	10,837,177	2,602	14	0

Comparisons of the extraction for financial years are as follows :—

Year.	Bamboos. No.	Bamboos. Rs.	Canes. No.	Canes. Rs.
1891-92	432,198	1,059	1,273,400	316
1892-93	1,953,804	3,870	9,280,150	2,212

showing a considerable increase both in extraction and consequent revenue.

3.—*Timber extracted by Lessees.*

45. The statement as below gives the extraction from the leased forests in the Salween-Ataran division for the period 1st April 1892 to 30th June 1893.

Kinds of timber.	Forests.	Logs.	Cubical contents.	Revenue.
				Rs. A. P.
Teak	Mitili-Kodigwé.	547	12,800	971 15 0
Thingan		0		
Pyinma		33	3,600	334 11 0
Thitka		5		
Total ...		591	16,400	1,306 10 0

To this must be added Rs. 313-1-0 revenue outstanding from last year and realized during the period under report.

The above timber having been extracted previous to the 31st March 1893, the figures for the financial year are the same. As compared with the figures of the previous year there is a decrease in the extraction of teak of 2,017 logs and an increase in the extraction of woods other than teak of 38 logs. The decrease in teak is due entirely to the Megwa-Kyunchaung leased tract not having been worked during the year under report.

4.—*Drift Timber Operations.*

46. The details of drift timber collected and disposed of from 1st April 1892 to 30th June 1893 are as follows :—

Division.	Timber.	Balance on hand 1st April 1892. Logs.	Balance on hand 1st April 1892. Tons.	Arrived during 1st April 1892 to 30th June 1893. Logs.	Arrived during 1st April 1892 to 30th June 1893. Tons.	Total. Logs.	Total. Tons.	Made over to claimants. Logs.	Made over to claimants. Tons.	Sold or otherwise disposed of. Logs.	Sold or otherwise disposed of. Tons.	Total. Logs.	Total. Tons.	Balance on hand 30th June 1893. Logs.	Balance on hand 30th June 1893. Tons.
Kado...	River drift teak	3,515	1,749	7,850	5,299·52	11,365	7,048 52	3,398	2,868	1,680	984·30	5,078	3,852·30	6,287	3,196·22
	Woods, other than teak.	18	18	9	11·30	27	24·30	1	0 24	1	2·66	2	2·90	25	21·40
	Sea drift teak ...	392	97 54	1,276	308·24	1,668	405·78	89	26·66	431	103·44	520	130·10	1,148	275·68
South Tonasserim.	Woods, other than teak.	35	36·8	111	176·1	146	212·9	...	...	138	207·8	138	207·8	8	5·1
	Total ...	3,960	1,896·34	9,246	5,795·16	13,206	7,691·50	3,488	2,894·90	2,250	1,298·20	5,738	4,193·10	7,468	3,498·40

47. During the period under report the expenditure on drift operations inclusive of quota of other charges amounted to Rs. 43,863.

The revenue realized was Rs. 55,290.

During the financial year 1892-93 the revenue and expenditure were Rs. 45,977 and Rs. 35,643 as against a revenue of Rs. 59,501 and expenditure of Rs. 35,397 in 1891-92.

48. The subjoined table gives the comparison by totals of logs of the drift timber operations for the financial years 1891-92 and 1892-93.

Balance on hand on 1st April.	Arrivals during the year.	Total.	Made over to claimants.	Sold or otherwise disposed of.	Total.	Balance on hand 31st March.
1891-92. Logs.	Logs.	Logs.	Logs.	Logs.	Logs.	Logs.
3,082	8,379	11,461	4,166	3,335	7,501	3,960
1892-93. 3,960	7,188	11,148	3,279	1,987	5,266	5,882

The number of logs that arrived and that were disposed of during 1892-93 were less than in 1891-92 by 1,191 logs and 2,235 respectively.

5.—*Extraction under free grants.*

49. For the period 1st April 1892 to 30th June 1893 the extraction under licenses was as follows :—

	Logs.	Tons.	Cubic feet.
Teak	30	17	4
Reserved woods	208	126	14
Total ...	238	143	18

Bamboos 150.

For the financial years 1891-92 and 1892-93 the figures of the above compare as follows :—

	Logs.	Tons.	Cubic feet.
1891-92	58	40	...
1892-93	165	100	14

The increase in the number of applications for free grants of timber was extraordinary and discrimination was used in granting them, still the actual amount for which licenses were issued during the past financial year exceeds considerably the grants of the previous year. It is probable that the increase in application is due in a measure to the people gaining a clearer understanding of the Forest Rules in force.

6.—*Importation of Foreign timber.*

50. Details of importations of foreign timber at the Kado depôt for the period 1st April 1892 to 30th June 1893 are as below.

	Teak.	Logs.	Estimated. Tons.
Balance on hand 31st March 1893	...	100,743	113,656
Arrived up to 30th June 1893—			
Full sized logs	88,926	...	...
Under sized	41,695	...	...
Stem pieces	7,544	138,165	82,932
Total ...	...	238,908	196,588

Woods other than teak—

	Logs.	Estimated. Tons.
Balance on hand 31st March 1892	92	72
Arrived up to 30th June 1893	6	11
Total ...	98	83

The imports of teak and other woods during the financial year 1892-93 was 116,108 teak logs or 72,321 tons, and 6 logs or 11 tons of woods of other species

as against 84,278 logs teak measuring 74,165 tons, and 11 logs of woods of other species measuring 19 tons in 1891-92.

51. During the period 1st April 1892 to 30th June 1893, the Bombay Burma Trading Corporation, Limited, imported from Pyinmana 370 teak logs estimated at 291 tons, the duty on which was paid at Toungoo. The above imports took place before the close of the financial year 1892-93, and show a very marked decrease from the imports of the year previous.

7.—Extraction by Right-holders.

52. During the period of 15 months under report right-holders extracted from inside reserves 66 logs of timber, measuring 42 tons, 2,750 bamboos, and 977 canes.

(f) Exportation of Minor Forest Produce.

1.—Extraction of fodder.

53. *Nil.*

2.—Grazing.

54. The right of grazing elephants is allowed and was practiced in one reserve of the Salween-Ataran division. In the South Tenasserim division 7 elephants, 40 buffaloes, and 7 goats were grazed in reserves under rights conferred by settlement. In the Kaleinaung reserve 64 buffaloes were grazed on payment of Rs. 16.

3.—Miscellaneous produce.

55. The details of the minor forest produce extracted under licenses for the period 1st April 1892 to 30th June 1893 are as follow:—

	Viss.	Rs.
Shaw fibre	2,400	360
Pyu bark	1,550	155
Ôndôn bark	4,425	442
Kalamet	1,750	35
Tônnwe	5,760	22

For the following minor forest produce the amounts extracted cannot be given, but only the revenue realized:—

	Rs.
Wood oil	7,682
Cardamoms	1,928
Honey, bees'-wax, and lac	850

56. From 1st April 1892 to 30th June 1893 the following marks were registered for teak and other woods:—

	Teak.	Rs.
New marks for teak	120	12,000
Marks renewed for teak at Rs. 25	46	1,150
Ditto at Rs. 1	594	594
Marks for teak transferred	79	790
New marks for woods other than teak ...	183	915
Marks for woods other than teak renewed ...	46	230
Marks for woods other than teak transferred ...	6	30
Total		15,709

57. For the period of 15 months under report 486 saw pit licenses were issued.

CHAPTER III.

58. The "gross yield" as defined in section 93 of the Forest Code cannot be given. A summary of the gross outturn separately for reserved and unreserved forests of major and minor forest produce during the period of 15 months 1st April 1892 to 30th June 1893 is tabulated in the subjoined statements.

Forests.	Teak.			Reserved woods other than teak.			Unreserved woods.			Firewood and charcoal.		Bamboos.		Canes.	
	Logs.	Tons.	Value.	Logs.	Tons.	Value.	Logs.	Tons.	Value.	Tons.	Value.	No.	Value.	No.	Value.
By Government agency and drift lapsed to Government.			Rs. A.			Rs. A. P.			Rs. A.		Rs. A. P.		Rs. A. P.		Rs. A. P.
Reserved forests ...	15,201	7,227	2,27,390 0	181	228	3,240 0 0	25	24	300 0	...	.....	...	.....	...	.....
Unreserved forests ...	12,865	5,115	1,45,509 0	4,245	4,204	68,047 0 0	57	89	581 0	...	.....	...	.....	...	.....
Total ...	28,066	12,342	3,72,899 0	4,426	4,432	71,287 0 0	82	68	881 0	...	.....	...	.....	...	.....
By consumers or purchasers.															
Reserved forests ...	...	...	.....	9	114	540 0 0	30	40	120 0	...	.....	1,100	4 0 0	...	.....
Unreserved forests ...	23	6	57 10	4,487	6,553	52,725 1 10	133,186	37,950	45,837 9	6,526	3,399 12 3	2,214,215	5,520 15 9	10,836,200	2,602 14 9
Total ...	23	6	57 10	4,496	6,667	53,265 1 10	133,216	37,990	45,957 9	6,526	3,399 12 3	2,215,315	5,524 15 9	10,836,200	2,602 14 9
By Lessees.															
Unreserved forests ...	547	256	971 15	44	72	334 11 0	...	...	...	...	.....	...	.....	...	.....
Under free grants.															
Reserved forests ...	...	...	.....	...	...	.....	...	...	...	...	.....	150	0 9 0	...	.....
Unreserved forests ...	30	17-4	170 0	208	126-14	892 0 0	...	...	...	...	.....	...	.....	...	.....
Total ...	30	17-4	170 0	208	126-14	892 0 0	...	...	...	...	.....	150	0 9 0	...	.....
By right-holders.															
Reserved forests ...	...	...	.....	66	42	99 0 0	...	...	...	...	.....	2,750	10 5 0	977	1 0 0
Grand Total ...	28,666	12,621-4	3,74,098 9	9,240	11,339-14	1,25,877 12 10	133,298	38,053	46,888 9	6,526	3,399 12 3	2,218,215	5,535 13 9	10,837,177	2,603 14 9

Outturn of minor forest produce from 1st April 1892 to 30th June 1893.

Forests.	Pyu bark.		Ondôn bark.		Shaw fibre.		Kalamet.		Tônnwè.		Grazing.	Wood oil.	Cardamoms.	Honey, Bee's-wax, and Lac.	Total.
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Value.	Value.	Value.	Value.	
	Viss.	Rs.	Viss.	Rs.	Viss.	Rs.	Viss.	Rs.	Viss.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Reserved	...	...	...	...	...	...	...	...	...	...	16	...	...	...	16
Unreserved	1,550	155	4,425	442	2,400	360	1,750	35	5,760	22	...	7,682	1,928	350	10,974
Total ...	1,550	155	4,425	442	2,400	360	1,750	35	5,760	22	16	7,682	1,928	350	10,990

Disposals and Sale Depôts.

59. The arrivals and disposals of timber at the Moulmein depôt were as follows:—

Description of timber.	Balance on hand on 1st April 1892.		Arrivals during 15 months from 1st April 1892 to 30th June 1893.		Sales and disposals during 15 months from 1st April 1892 to 30th June 1893.		Balance on 30th June 1893.	
	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.
Teak	3,916	766	22,510	10,599	21,419	9,580	5,007	1,785
Woods, other than teak	472	322	4,385	4,178	2,867	3,038	1,990	1,462
Miscellaneous scantlings, sleepers, &c.	395	110	48	48	257	75	186	83
Total ...	4,788	1,198	26,943	14,825	24,543	12,693	7,183	3,330

The sales from the Moulmein depôt for the same period came to Rs. 3,21,738-0-7 as detailed below.

	Log or Number.	Tons.	Value.	Per ton.
			Rs. A. P.	Rs. A. P.
Teak by auction sales	21,328	9,522	2,76,184 12 0	29 0 1
Teak indent sales	85	55	1,311 0 0	23 13 5
Padauk indent sales	48	48	2,642 13 4	55 0 11
Sales to Gun Carriage Factory, Bombay.				
Padauk	20	21	2,618 12 0	124 11 3
Sales to Burma State Railway and Ordnance Department.				
Padauk	4	4	226 6 1	56 9 6
Pyinma indent sales	1,361	1,326	18,814 11 3	14 3 0
Pyinma auction sales	200	189	2,231 8 0	11 12 11
Sales to Burma State Railway.				
Pyinma	25	30	915 5 10	30 8 2
Thingan indent sales	76	58	698 8 3	12 0 8
Thingan hull auction sales	1	3	151 0 0	50 5 4
Kanyin auction sales	547	783	10,740 0 0	13 11 6
Kanyin indent sales	78	140	1,681 3 6	12 0 2
Unreserved wood indent sales	117	98	1,300 10 8	13 4 4
Unreserved wood auction sales	7	5	35 0 0	7 0 0
Pyinma sleepers indent sales	198	16	1,029 9 6	64 5 7
Pyinkado scantling indent sales	...	45	1,156 12 2	25 11 4
Total ...	24,095	12,343	3,21,738 0 7	.....

Of the revenue Rs. 3,21,738-0-7 Rs. 9,849-6-0 was outstanding on the 30th June 1893. In addition a sum of Rs. 5,072-4-0, due by Messrs. Foucar Brothers, has been outstanding since 1891.

The value of the stock in hand on the 30th June 1893 was Rs. 83,331. The value of the stock on the 31st March 1893 was Rs. 40,050 as compared with Rs. 18,252 in 1891-92.

60. The arrivals and disposals of timber in South Tenasserim from 1st April 1892 to 30th June 1893 was:—

Description of timber.	Balance on hand 1st April 1892.		Arrivals during 15 months from 1st April 1892 to 30th June 1893.		Sales and disposals during 15 months from 1st April 1892 to 30th June 1893.		Balance on 30th June 1893.	
	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.	Logs.	Tons.
Woods, other than teak ...	588	584	57	37	188	163	407	408
Pyinkado sleepers ...	68	2	55	2	115	4	8	The three sleepers measure 4 c. ft. not taken into account.
Confiscated woods, other kinds.	12	14	49	66	60	79	1	...
Drift waif wood ...	23*	24	62	110	78	180	7	5
Pyinkado scantlings ...	...	59	...	2	...	52	...	9
Pyinma sleepers ...	411	88	...	...	411	88	...	...
Total ...	1,047	666	223	217	852	461	418	422

The sales from the same division were as follow:—

	Tons.	Revenue. Rs.
Sales at Calcutta.		
Pyinma and pyinkado sleepers and scantlings ...	65	5,697
Sale of Shipments to Moulmein.		
Thitka squares	20	399
Local sales.		
Slabs, sleepers, &c.		78

Foreign Timber.

61. During the period of 15 months under report duty on the above was paid as follows:—

Logs.	Tons. (Estimated).	Value. Rs.	Duty. Rs.
162,003	96,847	53,92,977	3,78,187

The quantity on which duty was paid during the financial year 1892-93 and the corresponding figures for 1891-92 were as follow:—

	Logs.	Tons. (Estimated).	Value. Rs.	Duty. Rs.
1891-92 ...	110,751	78,468	30,71,461	2,14,992
1892-93 ...	128,707	78,291	43,47,540	3,05,019

From the 1st April 1892 to the 30th June 1893 the following amounts of timber were removed by purchasers from the Kado depôt:—

	Logs.	Estimated tonnage.
Teak	162,368	97,126
Woods of other kinds	5	10

The balance on hand on the 30th June 1893—

	Logs.	Estimated tonnage.
Teak	76,540	99,462
Woods of other kinds	93	73*

62. The average market value for the period 1st April 1892 to 30th June 1893 was Rs. 33-4-7 per log or Rs. 55-11-0 per ton. The same figures for the financial years 1891-92 and 1892-93 compare as follows:—

	Per log. Rs. A. P.	Per ton. Rs. A. P.
1891-92	27 11 7	41 12 9
1892-93	33 12 5	55 8 5

showing a steady improvement in the demand for teak.

63. The total exports from the Port of Moulmein of teak during the period of 15 months under report and the financial year were respectively 106,850

* *Note.*—The tonnage of the foreign teak logs is only a rough estimate and has been estimated too high.

and 86,946 tons, showing for the financial year a very substantial increase in the exportations of 24,626 tons over the exports of 1891-92. The exports of woods other than teak were from 1st April 1892 to 30th June 1893 8,154 tons and for the financial year 1892-93 6,705 tons, scarcely varying from the exports of 1891-92.

The exports of teak from Moulmein to Europe during the 15 months under report were 17,250 tons and during the financial year 1892-93 16,219 tons, or nearly double the exports of last year.

64. The prices of teak in the Home market varied from £9 to £11 and the freight from 37*s*. 6*d*. to 42*s*. 6*d*.

In the Indian market the prices varied at Bombay and Calcutta as follows:—

	Rs. Rs.
Bombay—	
Squares	55 to 85
Scantlings	50 to 90
Calcutta—	
Squares	55 to 75
Scantlings	55 to 90

CHAPTER IV.

FINANCIAL RESULTS.

65. The revenue and expenditure from the 1st April 1892 to the 30th June 1893 were as follows:—

	Rs.
Revenue	9,16,112
Expenditure	4,47,954
Surplus ...	4,68,158

66. In the subjoined table this is summarized as follows—

	1892-93.			
	Revenue.	Expenditure.	Surplus or deficit.	
			Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
I. Departmental timber operations	8,33,395	2,10,417	1,22,978	...
II. Other revenue	5,82,717	1,41,281	4,41,436	...
III. Formation and Improvement	...	96,256	...	96,256
Total ...	9,16,112	4,47,954	4,68,158	...

67. The revenue and expenditure by divisions was—

Division.	Revenue.						Expenditure.	Surplus or deficit.
	Government agency.	Consumers and purchasers.	Drift.	Duty on foreign timber.	Miscellaneous.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Salween ...	68,686	3,228	...	...	441	67,350	83,588	— 16,238
Salween-Ataran ...	2,48,803	66,772	...	...	8,997	3,19,072	2,01,643	+ 1,17,429
Agency	...	...	...	...	...	...	26,445	— 26,445
Kado	16,067	16,965	54,082	3,78,187	19,642	4,84,943	1,11,779	+ 3,73,164
South Tenasserim ...	5,839	36,452	1,208	...	1,748	44,747	24,499	+ 20,248
Total ...	8,33,395	1,23,412	55,290	3,78,187	25,828	9,16,112	4,47,954	+ 4,68,158

68. The revenue and expenditure from the 1st April 1892 to the 31st March 1893 was—

	Rs.
Revenue	7,95,776
Expenditure	3,89,760
Surplus ...	4,06,016

showing an increase of Rs. 1,04,329 on the surplus of 1891-92.

Detailed comparison of the previous year.

	1891-92. Rs.	1892-93. Rs.
69. Timber extracted by Government Agency	2,77,125	3,17,523.

Showing an increase of Rs. 40,398, owing to better prices realized at the Government auctions for teak timber. The value of Government teak timber was Rs. 29 per log or Rs. 12-15-2 per ton as against Rs. 11-9-9 per log or Rs. 23-1-2 per ton in 1891-92.

The expenditure amounted to Rs. 1,54,863.

	1891-92. Rs.	1892-93. Rs.
70. Timber and Minor Forest produce removed by purchasers	79,938	1,07,127.

The increase is due to the fact that, although there was a considerable falling off on reserved timber under licenses, the raising of the duty on thingan as well as the extraction of a considerably larger number of logs of unreserved timber and of minor forest produce more than compensated for the reduction in extraction. The expenditure amounted to Rs. 3,107 on account of establishments, a slight increase due to increase in establishments.

	1891-92. Rs.	1892-93. Rs.
71. Amount realized on account of drift ...	59,501	45,977

Showing a decrease of Rs. 13,524, owing to a smaller number of drift logs sold and disposed of.

The expenditure amounted to Rs. 27,941 as against Rs. 28,123 in 1891-92.

	1891-92. Rs.	1892-93. Rs.
72. On foreign timber the duty realized was ...	2,14,992	3,05,019.

Showing an increase of Rs. 90,027, owing to merchants having paid duty on a larger number of logs.

The expenditure was Rs. 13,342 as against Rs. 6,540 in 1891-92; Rs. 6,321 paid for compensation for land at Kado accounts for the increase.

	1891-92. Rs.	1892-93. Rs.
73. Miscellaneous	19,041	20,130

The revenue from this source shows no great variation. The expenditure was Rs. 2,177 as against Rs. 715 in 1891-92. The very large increase is accounted for by refund to the Bombay Burma Trading Corporation, Limited, other law expenses connected with the acquirement of land at Kado, and the increase in payments to informers.

	1891-92. Rs.	1892-93. Rs.
74. Live Stock, Stores, Tools and Plant.... ...	5,704	19,208

The increase is due to the purchase of a new launch and of an elephant for the Kado division.

	1891-92. Rs.	1892-93. Rs.
75. Communications and Buildings	1,903	2,632

The increase is accounted for by erection of a new timber slip at the Battery Point Depôt and of repairs to the Kado Subdivisional office.

	1891-92. Rs.	1892-93. Rs.
76. Demarcation, extension, and improvement of forests	39,819	55,775

The increase by subheads was as follows:—

(*a*) *Demarcation.*—An increase of over Rs. 600 due to the demarcation of three padauk reserves and the clearing of traverse lines in the Thaungyin for the survey.

(*c*) *Surveys.*—A small increase in expenditure on Surveys of Rs. 900.

(*e*) *Sowing and Planting.*—A heavy increase of over Rs. 10,000. Over Rs. 5,000 of this is accounted by short payments made last year; Rs. 1,300 for teak seed collected paid for and stored against the plantations of 1893-94, and the balance by the much higher cost per acre of the actual planting.

(*f*) *Protection from fire.*—The increase on fire-tracing is due partly to a larger area having been fire-traced, to the more thorough protective measures adopted for the area actually fire-traced and partly to the larger proportioned amount debited in the West Salween division to this head.

	1891-92. Rs.	1892-93. Rs.
77. Establishments	1,05,310	1,10,715

The increase of Rs. 5,405 is due to the appointment of an Extra Assistant Conservator of Forests for the whole year, an Assistant Conservator of Forests for a part of the year, to increase of pay to one Extra Assistant Conservator, and to a slight increase in Subordinate establishment.

78. The revenue and expenditure by divisions were as follow:—

Division.	Revenue.						Expenditure.	Surplus or deficit.
	Government agency.	Consumers or purchasers.	Drift.	Duty on foreign timber.	Miscellaneous.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Salween ...	57,611	2,991	...	...	441	61,043	76,563	− 15,520
Salween-Ataran ...	2,39,483	60,713	...	...	3,109	3,03,255	1,77,187	+ 1,26,068
Agency	...	...	...	...	...	...	21,533	− 21,533
Kado	15,230	13,082	45,331	3,05,019	15,069	3,93,731	93,929	+ 2,99,802
South Tenasserim ...	5,249	30,341	646	...	1,511	37,747	20,548	+ 17,199
Total ...	3,17,523	1,07,127	45,977	3,05,019	20,130	7,95,776	3,89,760	+ 4,06,016

79. The subjoined statement gives the summary of receipts and expenditure compared for the last three years.

	Receipts.			Expenditure.			Surplus or deficit.					
	1890-91.	1891-92.	1892-93.	1890-91.	1891-92.	1892-93.	1890-91.		1891-92		1892-93.	
							Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Departmental timber operations.	2,65,064	2,77,125	3,17,523	1,89,768	1,93,882	1,95,164	75,296	..	83,243	...	1,22,359	..
II.—Other revenue ...	3,09,285	3,73,475	4,78,253	91,303	86,053	1,15,858	2,17,982	..	2,87,422	..	3,62,395	...
III.—Formation and improvement.	...	...	...	50,623	68,978	78,738	...	50,623	...	68,978	...	78,738
Total ...	5,74,349	6,50,600	7,95,776	3,31,694	3,48,913	3,89,760	2,42,655	...	3,01,687	...	4,06,016	...

CHAPTER V.

FOREST ADMINISTRATION.

80. The charge of the Circle from 1st April 1892 to 13th April 1892 was held by Mr. P. J. Carter, Conservator of Forests, Pegu Circle, in addition to his own duties. From 14th April 1892 on his return from deputation to Dehra to 30th June 1893 by the writer of this report.

81. During the period under report the charge of the divisions were held as follows :

West Salween division by Mr. M. H. Ferrars, Deputy Conservator of Forests.

Salween-Ataran division by Mr. T. A. Hauxwell, Deputy Conservator of Forests; Kado division by Mr. A. Weston, Deputy Conservator of Forests; South Tenasserim division, from 30th December 1892 to 11th May 1893, by Mr. G. R. Long, Assistant Conservator of Forests. During the remainder of the period it was under the charge of Mr. C. Ingram, Extra Assistant Conservator of Forests.

82. From the 19th December 1892 Mr. G. R. Long, Assistant Conservator of Forests, 2nd grade, was attached to this Circle.

From the 18th April 1892 Mr. P. W. Healy, Extra Assistant Conservator of Forests, 4th grade, was posted to the Circle. Mr. W. T. T. McHarg, Assistant Conservator of Forests, was transferred on the 25th June 1892 to the Eastern Circle, Upper Burma.

On the 19th May 1892 an extension of leave was granted to Maung Shwe Ka, Extra Assistant Conservator of Forests, and on the 13th June 1892 he was retired from the service with grant of a gratuity as physically unfit for further service.

83. The Conservator of Forests has to acknowledge the good work done by Mr. T. A. Hauxwell and Mr. A. Weston, Deputy Conservators of Forests, and by Mr. C. Ingram and Mr. P. W. Healy, Extra Assistant Conservators of Forests.

Of the junior officers Mr. Healy especially has shown most praiseworthy zeal in the discharge of his duties.

84. The distribution and cost of the permanent and temporary establishments is shown below (i) for the period 1st April 1892 to 30th June 1893, (ii) for the financial years 1891-92 and 1892-93.

Forest year.

Division.	Period of 15 months 1st April 1892 to 30th June 1893.	
	Actual cost of permanent establishment.	Actual cost of temporary establishment.
	Rs. A. P.	Rs. A. P.
West Salween	2,787 0 0	1,483 0 0
Salween-Ataran	7,664 0 0	3,980 0 0
Kado	17,016 0 0	15,678 0 0
Agency	11,670 0 0	3,317 0 0
South Tenasserim	5,440 0 0	1,218 0 0
Total ...	44,527 0 0	25,666 0 0

Financial year.

Division.	1891-92.		1892-93.			
	Cost of permanent establishment.	Cost of temporary establishment.	Sanctioned permanent establishment.	Sanctioned temporary establishment.	Actual cost of permanent establishment.	Actual cost of temporary establishment.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
West Salween	1,711	360	2,718	1,286	2,828	1,846
Salween-Ataran	6,050	2,877	7,434	3,811	6,385	3,576
Kado	13,686	11,814	13,588	13,804	13,684	12,601
Agency	8,710	3,431	9,057	2,844	9,209	2,470
South Tenasserim	4,188	560	4,092	900	4,523	858
Total ...	34,345	19,042	37,434	22,595	36,674	20,851

85. During the period under report the two Stipendiary students sent to the Imperial Forest School, Dehra Dun, returned and were appointed Foresters on the temporary establishment. On the death of Forest Ranger Maung Shwe Dôk on the 10th November 1892 one of them, Maung Charlie, was appointed Ranger, V grade, on the permanent establishment. The other, Maung Henry, was dismissed from the 10th March 1893 for misappropriation of Government money.

86. The subordinate forest and office establishments, though considerably undermanned, have worked well. Mr. Johnson, Superintendent of Conservator's Office, and Babu Ramaswamy, Head Clerk, Agency Division, deserve special mention.

87. The following are the principal revisions of rules issued under the Forest Act, 1881 :—

Notification No. 132, dated the 14th April 1892, added Chaunghnitkwa to the list of revenue stations.

Notification No. 198, dated the 16th June 1892, declared kaunghmu a reserved tree in the Mergui district.

Notification No. 199, dated the 20th June 1892, declared pyinkado a reserved tree in the South Tenasserim division.

Notification No. 200, dated the 20th June 1892, prescribed Licenses VIA and VIIA for pyinkado and substituted a fresh clause for clause (1) (*d*) of Rule 8.

Notification No. 304, dated the 22nd September 1892, published a revised list of reserved trees in supersession of all previous Notifications in regard to reserved trees.

Notification No. 327, dated the 14th October 1892, prescribed rules to regulate matters referred to in clauses (*c*), (*d*), (*g*), and (*h*) of section 37 of the Act in supersession of all previous Notifications in regard thereto.

Notification No. 328, dated the 14th October 1892, directed that so much of clause 8 as prescribed Forms VIA and VIIA was not to come into force until the 1st January 1893.

Notification No. 329, dated the 14th October 1892, directed that the figure and letter "9A" should be substituted for the figure 8 in form prescribed in Notification No. 267, dated the 17th November 1891.

Notification No. 330, dated the 14th October 1892, directed that in Notification No. 75, dated the 30th May 1890, clauses (*a*) to (*d*) of Rule 8 of rules published in Notification No. 327, dated the 14th October 1891, should be substituted for clauses (*a*) to (*c*) of subhead (1) of Rule 8 of rules published in Notification No. 11, dated the 10th January 1883, and revised by Notification No. 108, dated the 1st August 1889.

Notification No. 331, dated the 14th October 1892, amended Rules 12 and 23 of the rules published in Notifications Nos. 15, dated the 23rd January 1892, and 76, dated the 30th May 1890.

Notification No. 406, dated the 14th November 1892, added Shwegun to the list of revenue stations.

Notification No. 417, dated the 23rd November 1892, in supersession of Notifications Nos. 98, dated the 17th March 1892, and 326, dated the 14th October 1892, prescribed a form of license for kalamet and tônnwè in the Mergui district.

Notification No. 429, dated the 1st December 1892, added provisos to Rule 8 of the rules published in Notification No. 327, dated the 14th October 1892, in supersession of provisos 2 and 3 of the same rules and directed that proviso 2 should come into force from date of Notification and proviso 3 from 1st January 1893.

Notification No. 430, dated the 1st December 1892, made an addition to Rule 17 of the rules published in Notification No. 11, dated the 10th January 1883, to come into force from 1st January 1893.

Notification No. 459, dated the 17th December 1892, published a revised list of revenue stations in supersession of all previous Notifications regarding revenue stations.

Notification No. 5, dated the 7th January 1893, prescribed the duty to be levied on canes in the Tenasserim Circle in substitution of those fixed in Notification No. 295, dated the 5th December 1891.

Notification No. 98, dated the 16th March 1893, added Kawkayit to the list of revenue stations.

Notification No. 122, dated the 7th April 1893, prescribed a revised scale of rates to be levied on canes in supersession of those given in Notification No. 5, dated the 7th January 1893.

Notification No. 127, dated the 15th April 1893, directed that Rs. 60 instead of Rs. 20 per cauldron be charged for the manufacture of bark extracts.

Notification No. 203, dated the 9th June 1893, made Rule 45 and prescribed a bond under it to be known as Form XVI which should be entered into by applicants for licenses to fell timber.

88. The number of elephants in the Circle was increased by one purchased for the Divisional Officer, Kado, at a cost of Rs. 900. The average monthly cost of each animal was Rs. 39-11-9.

89. The launch *Ataran* attached to the Kado division was transferred to the Civil Department and Rs. 3,000 was received for her by book transfer. In lieu the launch *Katinka* was transferred from the Civil Department at a cost of Rs. 10,905.

The number of trips made by the two launches was 36, aggregating 2,120 miles, and the launches were under steam 300 hours.

The working expenses including wages of crew, coals, stores, &c., repairs and Surveyor's fees separately for the two launches were as follows:—

Launch *Ataran*,—wages Rs. 981, coal Rs. 487, stores, &c., Rs. 120-8-0, repairs Rs. 2, and Surveyor's fees Rs. 20.

Launch *Katinka*,—wages Rs. 695, coal Rs. 647-12-0, stores, &c., Rs. 125-3-0, repairs Rs. 101-6-0, and Surveyor's fees Rs. 20.

C. T. BINGHAM, MAJOR,
Conservator of Forests,
Tenasserim Circle.

MOULMEIN:
The 29th September 1893.

REPORT

ON

FOREST ADMINISTRATION

IN

THE PEGU CIRCLE

For the year 1892-93,

BY

P. J. CARTER, ESQUIRE, CONSERVATOR OF FORESTS.

INTRODUCTION.

THE Pegu Forest Circle extends over an area of 38,020 square miles, of which 4,180 square miles are cultivated, leaving a balance of 33,840 square miles of waste land and forest. The area of reserved forest is 3,912 square miles or only about 10 per cent. of the area of the circle.

2. The circle is divided into seven territorial divisions, varying in area from 1,786 square miles to 14,408 square miles. There is also a Working Plans division and an Agency division.

3. The average revenue of the circle for the past five years has been Rs. 22,87,814, and the average expenditure for the same period has been Rs. 8,50,465.

4. This report covers the operations of a period of 15 months from the 1st April 1892 to the 30th June 1893, but, whenever it has appeared advisable statistics have been given both for the financial year (from 1st April 1892 to 31st March 1893), and for the forest year (1st July 1892 to 30th June 1893). This admits of comparison being made with the records of past years and will enable the results of the past forest year being compared with those recorded in future reports.

CHAPTER I.

EXTENSION AND CONSTITUTION OF STATE FORESTS.

1.—Alteration of area.

Increase of area.

5. The area of reserved forests has been increased by 103 square miles, of which 60 square miles are situated in the Thayetmyo division, and 43 square miles in the Rangoon division.

Revision of area.

6. In the Prome division accurate survey has shown the area of the reserves included in the Shwelè Working Circle to be 5,682 acres greater than the estimate; while the reserves included in the North and South Nawin and Chaungzauk Working Circles are 2,182 acres less.

2.—*Forest Settlements.*

Settlement operations during the year.

7. The areas finally settled and notified during the year were :—

	Sq. miles.	Notification.
Thayetmyo division—		
Ônhnèsan ...	9	No. 245F., dated 19th August 1892.
Kyaukletgya ...	17	No. 418F., dated 1st December 1892.
Thigôn ...	22	No. 18F., dated 20th January 1893.
Sinmadaung ...	12	No. 19F., dated 20th January 1893.
Rangoon division—		
Pyinbôngyi ...	13	No. 119F., dated 7th April 1892.
Pyinma ...	30	No. 35F., dated 28th January 1893.

Rupees 344 were paid as compensation for land and rights and Rs. 279 being pay and allowances of the Settlement Officer.

Pending settlement operations.

8. The following areas were enquired into by Forest Settlement Officers but not finally notified during the year :—

	Sq. miles.
Thayetmyo division—	
Panichaung ...	45
Shandat ...	·55
Tharrawaddy division—	
Myolè ...	4
Rangoon division—	
Kodugwè ...	43
Shwegyin division.	
Wun-Pein ...	106
Zaha Kawliya ...	156
Western division—	
Myanaung ...	280

Rupees 652 were paid as compensation for land and rights, Rs. 279-4-8 being pay and allowances of the Settlement Officer, and Rs. 28 being petty charges incurred in defining boundaries.

The undermentioned area was preliminarily notified during the year, but no enquiry by the Settlement Officer has yet been made.

	Sq. miles.
Shwegyin division—	
Aingdôn-kun ...	315

New proposals.

9. Proposals with regard to the following areas have either been submitted or are about to be submitted, but no preliminary notification has yet been published with regard to them :—

	Sq. miles.
Prome division—	
Seven cutch reserves ...	97
Toungoo division—	
Pyu Kun ...	430
Metindaìn ...	13

Karen areas.

10. The enclosure of Karen areas within reserves has answered the purpose for which it was designed. The Karens have as a rule been treated very liberally by the settlements; their periodical migrations have been limited to smaller tracts of country, but this may be regarded as an advantage both to the Government and to the Karens themselves.

3.—*Demarcation.*

New demarcation.

11. New demarcation undertaken during the year was as follows : in the Thayetmyo division the Thigôn reserve having an artificial boundary of 18 miles was demarcated by 5 posts, 105 boundary boards, and a blazed line at a cost of Rs. 1-12-0 for nails, the actual work being done by the establishment ; the Kyaukletgya reserve with an artificial boundary of 5 miles and a natural boundary of 12 miles was

demarcated by 350 boundary boards and 5 miles of blazed line at a cost of Rs. 122-0-6; the Sinmadaung reserve having an artificial boundary of 2 miles and a natural boundary of 12 miles was demarcated by 14 posts, 61 boundary boards, and 2 miles of blazed line, the work being done by the establishment and involving no cash outlay; the Ônhnèsan reserve with an artificial boundary of 14 miles and a natural boundary of one mile was demarcated in part by 85 posts, 150 boundary boards, and 12 miles of blazed line, the work being done by the establishment and involving no cash outlay; a supply of boards was in stock for this work, but Rs. 63-4-0 were expended on 200 boards for the reserves not yet finally notified. In the Toungoo division, the Satchaung Karen area of the Pyuchaung reserve having a boundary of 20 miles was demarcated with 16 posts, boundary boards, and a blazed line costing Rs. 187; an expenditure of Rs. 43-2-0 was incurred on demarcating 8 miles of the boundary of the Nyaungyidauk reserve. In the Shwegyin division an expenditure of Rs. 1,000 was incurred for boundary boards.

The demarcation incomplete at the close of the year consists of—

	Miles.
Thayetmyo division—	
Ônhnèsan	8
Rangoon division—	
Pyinbôngyi	6
Pyinma	9
Toungoo division—	
Saing-Yanè	12
Kyaukmadsin	6
Pyu-Thogyi Karen area	16

Repairs to boundaries.

12. In the Thayetmyo division 19 miles of boundary of the East Yoma reserve were repaired at a cost of Rs. 2-9-11; 5 miles of the boundary of the Tindaw reserve at a cost of Rs. 3-10-9; and 8 miles of the boundary of the Satsuwa reserve at a cost of Rs. 3-10-10. In the Prome division 30 miles of the boundary of the Tayôkmaw reserve were thoroughly repaired at a cost of Rs. 205; 5 miles of the boundary of the Shwekyundaw reserve at a cost of Rs. 97-10-0; 11 miles of the boundary of the Shwelè-Kyaukgyidaung reserve at a cost of Rs. 42; and 1 mile of the Prome plantation at a cost of Rs. 4. In the Tharrawaddy division 270 miles of boundary were repaired, of which 24 miles was done by the establishment and the remaining 246 miles at a cost of Rs. 475-12-0 for 1,193 posts and mounds, Rs. 218 for re-blazing, and Rs. 287-8-0 for zinc numbered plates. In the Rangoon division Rs. 13-4-0 were spent in re-blazing 11 miles of the boundary of the Ôkkan reserve, Rs. 78-10-8 on 20 miles of the boundary of the Magayi reserve, Rs. 40 on 14 miles of the boundary of the Thabyu reserve; 23 miles, being the whole artificial boundary of the Karen areas in the Zamayi reserves, were re-blazed by the Karens themselves involving no cost to Government. In the Toungoo division 55 miles of the boundary of the Gwethè reserve were re-blazed at a cost of Rs. 101, and 64 miles of the boundary of the Bôndaung reserve at a cost of Rs. 128, while Rs. 81-10-0 were spent on new boards; the blazed lines round other reserves were as far as possible re-blazed by the Foresters and Guards in charge; new boundary plates cost Rs. 225. In the Shwegyin division no repairs were found necessary.

4.—*Surveys.*

Forest survey operations.

13. Survey Party No. 20, consisting of 1 Superintendent, 2 Extra Assistant Superintendents, 3 Sub-Assistant Superintendents, 3 Surveyors, 19 Sub-Surveyors, 4 Apprentices, and 550 tindals, khalasis, and chaprassis were engaged in the survey of the East and West Swa, Pyu, and Gwethè reserves. The party took the field on the 6th December and closed field work at the end of May. The amount of work done was—

	Sq. miles.
Detail survey on 4-inch scale	218
Detail survey on 2-inch scale	118
Traverse survey	402
Triangulation	800

The estimated cost of the party from 1st October 1892 to 30th September 1893 is Rs. 1,06,390.

14. The details given in Form No. 49 are as yet incomplete, the area previously surveyed is shown as 1,435 square miles, but a larger area has probably been completed. More accurate figures may be expected next year.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

1.—Regulation of Management.

(a) Working Plans and their control.

Shwelè, Nawin, and Kangyi forests.

15. Working Plans for the Shwelè, Nawin, and Kangyi forests were sanctioned during the year. A sum of Rs. 344-8-3 was expended on compartment boundaries in the Kangyi forest. Some valuation surveys were made in the Rangoon division at a cost of Rs. 115-8-0.

Field work.

16. The Working Plans Party under Messrs. Branthwaite and Messer took the field on the 7th December 1892 and closed operations on 4th May 1893. About 198 square miles of forest were examined, and the cost of the party under sub-head "Working Plans" was Rs. 12,733-4-11.

(b) Annual plan of Operations.

17. The plan of operations was well adhered to except in two instances; no cutch was planted in the Tindaw reserve, the Divisional Officer says, owing to want of labour, but it was no doubt principally due to delay in issuing licenses to cut taungyas, and in the Rangoon division no new demarcation was undertaken owing to the illness of the Divisional Officer.

2.—Working of the year.

(a) Communications and Buildings.

Roads.

18. Rupees 221-9-1 were spent on minor repairs to roads.

Floating streams.

19. In the Tharrawaddy division 578 obstructions in seven streams were removed at a cost of Rs. 4,066; Rs. 309 were spent on the rectification of the lower reaches of the Taungnyo stream, and Rs. 949 were expended by the Public Works Department in the protection of railway and road bridges. In the Shwegyin division Rs. 204 were spent on the rectification of the course of the Yenwe stream.

New buildings.

20. At Shwegyin a new bungalow cost Rs. 6,735, but was not quite complete at the close of the year.

Repairs to buildings.

21. Eight bungalows were repaired at a cost of Rs. 1,473-5-4, two offices at a cost of Rs. 406-4-0, 27 rest-houses at a cost of Rs. 1,206-8-3, four elephant sheds at a cost of Rs. 807-4-0, one boat-house at a cost of Rs. 90, and seven guard-houses at a cost of Rs. 1,595-11-0. One well cost Rs. 330.

(b) Protection of Forest from injury.

1.—General Protection and Breaches of Forest Law.

Forest offences.

22. On the 1st April 1892 there were 43 cases pending. During the period under report 1,590 breaches of rules were reported, 361 cases involving 462 persons were prosecuted, and in 328 cases involving 422 persons convictions were obtained, while in 33 cases the accused, 40 in number, were acquitted, 1,181 cases involving 1,451 persons were compounded by Divisional Officers for Rs. 15,526-9-9, in two cases the culprits absconded, and five cases were undetected. The

pending cases at the close of the year amounted to 84. Rupees 791 were paid as rewards to informers. The offences were of an ordinary nature and 19 of them occurred outside the boundaries of the forest property in respect of forest produce in transit. Of cases sent into court the percentage of convictions obtained was 91, but two cases are being revised in which the accused were acquitted and probably convictions will be obtained in the end.

Even allowing for the fact that the period under report covers 15 months instead of 12, the number of offences shows a considerable increase which is mostly due to more earnest endeavours being made to protect teak and other reserved trees in the Thayetmyo and Prome divisions.

2.—Protection from fire.

Forest fires.

23. The protection of 367 square miles was attempted, and 333 square miles were successfully protected at a cost of Rs. 53 per square mile attempted, or Rs. 58 per square mile protected. The failures extended over 34 square miles, of which 5 square miles were plantations; ten fires covering 4 square miles were due to the carelessness or neglect of the establishment employed on the work of protection; seven fires covering 15 square miles spread from burning taungyas, and ten fires extending over 15 square miles are attributed to incendiaries, but were probably due to carelessness and not to malice. The failures amount to 9 per cent. of the area attempted as compared with 1 per cent. in 1892 and 20 per cent. in 1891. The rains set in about the 23rd of April, and the fire season was unusually short, the result of protection cannot therefore be regarded as a favourable one under the circumstances.

In the Thayetmyo division the protection of 20,800 acres was attempted; the failures amounted to 1,920 acres of the Tindaw reserve; this area which has previously been regularly burnt early in the season escaped until April, when a fire occurred which was no doubt caused by two children lighting a fire in the reserve, and leaving it burning, but no proof is forthcoming. The area burnt included 140 acres of plantation. The cost of protection was Rs. 22 per square mile attempted and Rs. 25 per square mile successful.

In the Prome division seven fires occurred in the Bwet forest covering 34 acres, of which 7 acres are plantations; four of the fires extending over 10 acres were due to carelessness of subordinates, and three fires covering 24 acres were incendiary; some bamboo-cutters who were suspected were prosecuted but acquitted. In the Padetmyaung reserve 2 acres were burnt through neglect on the part of subordinates; in a similar way 115 acres were burnt in the Kyaukgyidaung reserve and this area included 9 acres of plantation. A small incendiary fire covering 1 acre only occurred in the Prome plantation. The cost of protection was Rs. 139 per square mile.

In the Tharrawaddy division three fires spread over 1,813 acres (including 733 acres of plantation and sowing) of the Nyanle reserve, two of these fires were due to the negligence of watchmen and one was accidental; in the Kangyi reserve three fires occurred which spread over 27 acres (including 18 acres of plantation); one fire of 3 acres was due to an accident, one of 9 acres was due to negligence on the part of ya-cutters, and one of 15 acres was the work of an incendiary. In Myodwin an incendiary fire occurred and spread over 11 acres (including 4 acres of plantation); in Minhla two fires occurred on the same day and spread over 6,364 acres (of which 2,113 acres are plantation); both fires spread from burning yas which were fired without notice or the necessary precautions; in the one case six men were prosecuted but acquitted; in the other case the men said their yas were fired by other persons and not by themselves, and proof to the contrary could not be obtained; in the Môkka reserve three incendiary fires spread over 7,600 acres (including 46 acres of plantation); in the Thônzè reserve two fires spread over 805 acres (including 29 acres of plantation); one fire was due to an accident, the other to negligence. The cost of protection was Rs. 48 per square mile attempted and Rs. 63 per square mile protected.

In the Rangoon division two fires occurred in the Zamayi reserve which spread over 2,880 acres (including 50 acres of plantation); one fire spread from some burning yas in spite of the due observance of the prescribed precautions, and the origin of the other fire is unknown. The cost of protection was Rs. 30 per square mile attempted and Rs. 32 per square mile protected.

In the Toungoo division no fires occurred; the cost of protection was Rs. 54 per square mile.

In the Shwegyin division 6 square miles were protected at a cost of Rs. 24 per square mile.

Fires in areas not specially protected.

24. As regards forests not specially protected from fire no areas in the Thayetmyo or Prome division escaped except, perhaps, in the higher parts of the Arakan Yoma; no areas in Tharrawaddy; in Rangoon division no estimate is forthcoming, but there are considerable areas of evergreen forest which probably escape; in the Toungoo division it is estimated that 223 square miles of unprotected reserved forest did not burn; in Shwegyin it is reported that 105 square miles of forest did not burn, and in the Western division 500 square miles consisting of evergreen and swamp forest.

Injury to plantations by fires of 1892.

25. In the season of 1892 fire spread over only 240 acres of plantation. With regard to 216 acres in the Thayetmyo division a report regarding the damage suffered is again wanting. They were, however, visited by the Conservator, and the damage was found to be very severe. In all the younger plantations the young trees had been killed down to the roots, but had thrown out good coppice shoots, although a large proportion of the trees were cutch. No appreciable damage is noticeable in the 12 acres in Prome and 12 acres in Tharrawaddy.

(3) *Regulation of grazing and protection from cattle.*

Grazing.

26. Of an area of reserved forests of 3,912 square miles, cattle were excluded from an area of 3,540 square miles; a further 90 square miles were closed to grazing for a part of the year, while 282 square miles were open throughout the year either to right-holders or to grazing on payment of fees. The fees amounted to Rs. 387 for the grazing of 1,165 head of cattle; 1,140 head were grazed free by right-holders.

(c) *Improvement of forest growth.*

1.—Natural reproduction.

Natural reproduction.

27. In the drier forests where the prevalent bamboo is myinwa (*Dendrocalamus strictus*) which flowers in patches almost every year, the natural reproduction of teak and other species is fairly good, and in such forest fire-protection not only improves the forest growth generally, but furthers the natural reproduction of teak. In the moister forests where the prevalent bamboos are tinwa (*Cephalostachyum pergracile*), and kyathaung (*Bambusa polymorpha*) which do not flower spasmodically, natural reproduction is confined to gaps in the bamboo canopy which are not of frequent occurrence. In this forest fire-protection improves the general forest growth and has a marked effect on the distribution of the water-supply, but it is not favourable to the natural reproduction of teak. The probable effect of continued fire-protection would be to increase the area of evergreen forest in which teak would not find a place if the forester trusted to natural reproduction alone.

Observations in areas of flowered bamboo.

28. In the Kôn-Bilin forest we have a considerable area on which the tinwa flowered six years ago. A part of this area is protected from fire, and inside the fire-trace not a single seedling of any other species than bamboo can be found, while outside the fire-trace such seedlings are very few and far between. In the Pada forests of the Shwegyin division, in an area on which the tinwa flowered at the same time as in the Kôn-Bilin, a fairly good natural reproduction of teak has been noticed. More recently, in 1891, the kyathaung bamboo flowered over a large area of the Western division. The Divisional Officer states the young growth of bamboo is 3 feet high, and is silent as regards seedlings other than bamboo. In the Toungoo division there is a fair reproduction of cutch over a limited area from which the mature cutch trees were removed four years ago.

2.—Artificial Reproduction.

Regular plantations.

29. *Regular plantations* involved an expenditure of Rs. 2,688-11-1; an addition of 33 acres, with a density of 0·9, cost Rs. 412-3-8, weeding 1,944 acres cost Rs. 1,666-15-3, establishment Rs. 327, and sundries Rs. 252-8-2.

Details of the work are as follows :—

	Acres.	Rs. A. P.
Planting—		
Rangoon division	33	442 8
Weeding—		
Tharrawaddy division	340	879 4 0
Rangoon division	1,604	1,087 11 3
Establishment—		
Tharrawaddy division...		75 0 0
Rangoon division		252 0 0
Sundries—		
Prome division		1 4 0
Rangoon division		251 4 2

Teak taungyas.

30. *Taungya plantations* involved an expenditure of Rs. 747 last year and Rs. 36,445-10-10 during the year, or Rs. 37,192-10-10 in all. Planting 1,690 acres, with an average density of 0·7, cost Rs. 14,271-3-10, weeding 8,232 acres cost Rs. 20,002-2-0, and seed for 1893 plantations Rs. 2,919-5-0. The area planted with pure teak was 1,279 acres, with teak and cutch 306 acres, and with cutch 105 acres. In these areas are included 63 acres with a density of 0·4 only. Such areas are more than one-third stocked, and with care often develop into a crop of normal density, and it is hoped that the Government of India will not order their exclusion as failures.

Cutch plantations.

31. The proposal to plant 700 acres with cutch cannot be carried into effect yet, as the requisite area has not been reserved. It is hoped that the reservation will be completed in 1894 and that the work will be begun in earnest in 1895. During 1892 only 105 acres were planted in the Chaungzauk forest of the Tharrawaddy division, but nothing was done in the Thayetmyo division. The 325 acres already planted in Tindaw and 105 now planted in Chaungzauk may be regarded as part of the scheme of cutch plantations.

The details of work on Taungya plantations follow :—

Division.	Density of stock.							Total.	Cost.	
	0·4	0·5	0·6	0·7	0·8	0·9	1·0		In all.	Per acre.
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.		Rs. A. P.	Rs. A. P.
Thayetmyo	2	17	139	132	16	...	...	306	2,636 6 9	8 9 10
Prome	29	69	62	104	84	43	2	393	2,615 11 7	6 10 6
Tharrawaddy	30	108	106	165	160	183	6	818	6,985 11 6	8 8 8
Rangoon	...	...	3	50	43	10	...	106	1,330 9 0	12 8 10
Toungoo	2	16	6	14	10	11	8	67	702 13 0	10 7 10
Total ...	63	210	376	465	313	247	16	1,690	14,271 3 10	8 7 1

Weeding.

Division.	Acres.	Cost. In all. Rs. A. P.	Cost. Per acre. Rs. A. P.
Thayetmyo	711	1,285 14 0	1 12 11
Prome	1,552	4,979 8 11	3 3 4
Tharrawaddy	4,471	9,686 7 8	2 2 8
Rangoon	776	2,852 3 5	3 10 10
Toungoo	722	1,198 0 0	1 10 7
Total ...	8,232	20,002 2 0	2 6 11

Seed for Yas of 1893.

	Rs. A. P.
Thayetmyo	428 10 0
Prome	360 0 0
Tharrawaddy	1,644 14 0
Rangoon	149 1 0
Toungoo	327 12 0
Total ...	2,919 5 0

Cultural operations.

32. *Cultural operations* cost during the year Rs. 4,682-10-10; sowings, &c., carried out in 1892 involved an expenditure of Rs. 2,115-10-10 on an area of 40 acres only successfully stocked. Work on the area to be operated on in 1893 cost Rs. 1,080-8-3

over an area of 58 acres, and the weeding of 778 acres cost Rs. 1,486-7-9. The work now in progress is sowing in areas of flowered bamboo where the young growth of bamboo is vigorous. This cannot be justified from a financial point of view, and is undertaken solely with the object of gaining experience in the treatment of such areas, which will be of immense value when a general flowering of bamboos takes place. The area operated on in 1890 had cost on 30th June 1893 Rs. 26-12-1 per acre, the area of 1891 Rs. 22-6-0, while the area of 1892 cost Rs. 34-10-6 per acre. The young crop of teak is promising, but even the area of 1890 is not out of danger of being suppressed by the growth of bamboo.

Details of the work are as follows :—

Operations of 1892.

Division.	Work.	Cost. Rs.	A.	P.
Tharrawaddy	35 acres sowing in flowered bamboo	1,157	0	10
	15 acres stocking an unsuccessful taungya plantation ...	356	8	0
Rangoon	... Unsuccessful cutch sowings ...	602	2	0
	Operations of 1893.			
Prome	.. Clearing and burning 16 acres flowered bamboo	192	0	0
Tharrawaddy	.. Planting and seed on 42 acres	888	8	3
	Weeding.			
Prome	.. 317 acres old sowing, &c.	587	8	0
Tharrawaddy	... 301 acres old sowing, &c.	336	9	0
	70 acres sowing of 1890	140	0	0
	80 acres sowing of 1891	407	6	9
Toungoo	... 10 acres sowing of 1886	15	0	0

3.—*Early Thinnings.*

Early thinnings.

33. A plantation of 1865 at Kangyi was thinned at a cost of Re. 1 per acre and also a small plot of 1866 plantation at Pyunchaung. Some of the older plantations would no doubt benefit by judicious thinnings, but very little can be done as the trained establishment in the circle is inadequate for the work, and the material cut is unsaleable.

4.—*Other operations for the improvement of the growing stock.*

Other operations.

34. Creepers were cut and noxious overgrowth removed or killed over an area of 16,485 acres in the Tharrawaddy and Toungoo divisions at a cost of Rs. 4,524-6-11. In the Rangoon division the girdling areas in Kadat and North Zamayi were similarly treated at a cost of Rs. 137-2-0, and work of this nature was carried out in a desultory way in the other divisions. In Kangyi, which is not a bamboo forest, these operations will favour natural reproduction, but in other forests they only benefit small trees and saplings already established.

Details of the work are as follows :—

	Acres.	Expenditure. Rs.	A.	P.
Tharrawaddy division—				
Taunguyo	2,881	*890	6	0
Bawbin	2,157	1,015	2	0
Gamôn	4,683	427	8	0
Minhla	2,190	354	8	0
Mòkka	959	237	0	0
Kadin-Bilin	1,474	442	8	0
Kôn-Bilin	384	140	12	9
Thônzè	694	237	4	5
Kaugyi	853	594	5	9
Toungoo division—				
Saing Yanò	210	195	0	0

5.—*Experiments.*

Mahogany.

35. Only four mahogany plants remain in the Prome division, three at Chaungzauk, and one at Paungdè ; they all appear to be thriving. In the Toungoo division only 13 plants remain.

Forest garden.

36. The maintenance of the forest garden at Tharrawaddy cost Rs. 748.

Exotics at Magayi.

37. At Magayi the stock of exotics consists of 29 mahogany, 56 ceara rubber, and 19 large and 64 small *Ficus elastica* and a number of vanilla plants. There are also 1,263 plants of *Chevanessia esculenta.* The vanilla plants are healthy and flower; 250 flowers were fertilized, but only 25 set fruit.

(d) *Exploitation of Major Forest Produce.*

2—Selection fellings.

38. In reserved forests 8,898 teak trees were girdled for extraction, and in unreserved forests 10,326 teak trees.

Girdling.

Details of girdling operations are—

Reserved Forests.

Division.	Trees.	Average girth.	Area.	Proportion inspected.
Prome	1,164	8′ 4″	708 acres.	...
Tharrawaddy	6,434	...	...	...
Rangoon	1,300	8 7	...	...
Total ...	8,898			

Unreserved Forests.

Division.	Trees.	Average girth.	Area.	Proportion inspected.
Thayetmyo	600	10 ′3″	6 sq. miles.	33 per cent.
Prome	500	7 6	2 do.	...
Toungoo	8,266	7 11	...	90 per cent.
Shwegyin	960	7 9	..	...
Total ...	10,326			

39. The timber extracted by Government agency amounted to 43,824 teak logs containing 2,060,581 cubic feet, of which 1,165,210 cubic feet were obtained from reserved forests and 895,371 cubic feet from unreserved forests; 32 logs of reserved kinds containing 2,038 cubic feet were extracted from unreserved forests; 809 logs of unreserved kinds containing 39,026 cubic feet were extracted from reserved forests, and 200 logs containing 5,148 cubic feet were extracted from unreserved forests.

Timber extracted departmentally.

40. The extraction of timber by purchasers amounted to—

Extraction by consumers and purchasers.

During the period of 15 months—

	C. ft.
Teak	1,185,417
Reserved kinds	234,266

and by the holders of free grants—

	C. ft.
Teak	24,167
Reserved kinds	1,400

by holders of cutch licenses—

	C. ft.
Reserved kinds	312,827

The extraction amounted to by purchasers—

During the financial year—

	C. ft.
Teak	1,140,002
Reserved kinds	178,282

by free grant—

	C. ft.
Teak	24,167
Reserved kinds	1,400

by holders of cutch licenses—

	C. ft.
Reserved kinds	312,827

Extraction amounted to—

During the forest year—

	C. ft.
Teak	1,177,474
Reserved kinds	216,394

by free grant—

	C. ft.
Teak	24,167
Reserved kinds	1,400

by holders of cutch licenses—

	C. ft.
Reserved kinds	312,827

5.—Unregulated fellings.

Unregulated fellings.

41. The unregulated fellings amounted to—

During the period of 15 months—

	C. ft.
By purchasers—	
Reserved kinds	14,595
Unreserved kinds	6,503,977
Firewood	3,647,283

Converted into—		C. ft.
Charcoal	...	1,003,100
Bamboos	No.	20,244,242
Canes	,,	1,969,061

by holders of free grants—

Bamboos	No.	26,669,202

by right-holders—

		C. ft.
Firewood	...	250
Bamboos	No.	47,540

The extraction amounted to—

During the financial year—

By Purchasers—		C. ft.
Reserved kinds	...	14,595
Unreserved kinds	...	5,560,978
Firewood	...	2,467,458
Converted into charcoal	...	905,800
Bamboos	No.	17,447,617
Canes	,,	1,430,460

by holders of free grants—

Bamboos	No.	26,669,202

by right-holders—

		C. ft.
Firewood	...	250
Bamboos	No	47,540

The extraction amounted to—

During the forest year—

By Purchasers—		C. ft.
Reserved kinds	..	675
Unreserved kinds	..	5,138,947
Firewood	...	3,888,598
Converted into charcoal	...	841,400
Bamboos	No.	16,185,792
Canes	,,	1,810,034

by holders of free grants—

Bamboos	No.	26,669,202

by right-holders—

		C. ft.
Fuel	...	250
Bamboos . .	No	47,540

The distribution of the outturn over the different divisions is given in Form No. 57.

(*e*) *Extraction and transport of major produce by land and water.*

Timber brought out by Government agency.

42. The outturn of teak logs was 35,185 as compared with 40,358 logs in 1891-92. Details of the work are—

Division.	Extracted	Sold locally.	Made over to contractors.	Used or lost.	Sent to Rangoon.
Teak logs.					
Thayetmyo	2,067	1,535	575		930
Prome	2,270	241	.	.	1,771
Tharrawaddy	14,972	43	..		14,929
Rangoon	4,861	314	..		4,529
Toungoo	9,887	16			9,871
Shwegyin	836		.	3	1,563
Western	292	223			
Total	35,185	2,372	575	3	33,593
Refuse and small teak logs					
Prome	109	493	.		.
Tharrawaddy	6,530	4,785	.	..	.
Rangoon		1,666			
Total	6,639	6,944	...		
Logs other than teak.					
Tharrawaddy	21				21
Rangoon	820	904		.	32
Western	200	200			
Total	1,041	1,104	....		53

Expenditure on timber work

43. The expenditure under AIa amounted to Rs. 5,71,728-9-6, of which details follow :—

Delivery of logs to Rangoon—

	Logs	Rs	A.	P.
Thayetmyo ..	930	10,230	8	0
Prome	1,781	17,548	5	1
Tharrawaddy ...	14,923	2,05,190	14	6
Rangoon ...	4 640	59,757	2	9
Toungoo ..	10,507	1,71,150	10	8
Shwegyin	1,746	26,678	0	5
Total ..	34,527	4,90,545	15	5

Local Deliveries—

	Logs	Rs	A.	P
Thayetmyo ...	297	995	1	9
Prome	578	2,351	13	9
Tharrawaddy	8,596	22,172	13	0
Rangoon ...	1,216	7,384	14	6
Toungoo ..	16	487	2	0
Western	228	4,057	6	9
Total	10,856	37,449	3	9

	Rs.	A	P
Girdling	4,229	0	5
Establishment	13,184	10	2
Travelling allowance	1 817	1	3
Floating streams	4,034	6	1
Maintenance of steam launch (exclusive of establishment, Rs. 1,816-5-7)	1,890	14	6
Landing and despatching logs	10,605	8	2
Sale expenses ...	7,161	0	0
Sundries ..	126	11	9
Total	43,733	6	4
Grand Total	5,71,728	9	6

44. The oustandings against contractors at the close of the year amounted to Rs. 46,815-14-4, of which the recovery of a sum of Rs. 32-12-0 is doubtful :—

Outstandings.

	Rs.	A.	P.
Thayetmyo	3,162	0	0
Prome	2,416	10	3
Tharrawaddy ...	28,791	5	1
Rangoon	2,409	0	0
Toungoo ...	7,946	15	0
Shwegyin ...	2,000	0	0
Total	46 815	14	4

45. Messrs. Macgregor and Company paid Government Rs. 4,5 ,927-7-6 for 17,060 logs, measuring 1,090,303 cubic feet, extracted by them under their contract for certain forests in the Toungoo division. This amount will be included in the total given in the succeeding paragraphs, being timber extracted by purchasers.

Extraction by lessees.

46. The following statements give the quantity of timber extracted by purchasers and the amounts received thereon :—

Extraction by consumers and purchasers.

During the period of 15 months.

FROM RESERVES.

		C. ft.	Rs.	A.	P.
Teak		446,660	1,87,597	0	0
Pyinma		1,062	256	10	0
Thingan		550	220	0	0
Cutch		14,595	2,088	0	0
Pyinkado		17,500	2,800	0	0

Other unreserved kinds—

	Logs.				
Dus	172	7,740	523	0	0
Yats	5	100	7	8	0

FROM UNRESERVED FORESTS.

Teak	788,757	3,01,386	3	5	
Padauk	10,661	2,392	9	3	
Pyinma	37,208	5,480	8	3	
Thingan	13,890	6,198	0	8	
Kanyin	96,190	12,142	14	11	
Thitka	64,359	9,967	14	6	
Thitkado	2,937	376	8	1	
Kaunghmu	7,409	1,183	14	9	
Pyinkado	294,712	29,792	2	3	
Carried over ...		5,62,362	9	1	

			Rs.	A.	P.
Brought forward		...	5,62,862	9	1
Other unreserved woods—	Logs.	C. ft.			
Dus	82,492	3,712,140	1,26,566	8	0
Yats	62,368	1,247,260	47,639	8	0
Posts	78,871	391,855	6,097	7	6
Poles	813,070	813,070	2,153	1	2
Sawn	...	19,600	647	0	0
Revenue from Arakah	...	...	3,327	1	2
Sundries	...	...	97	2	7
Outstanding	...	...	239	12	9
A total of		...	7,49,180	2	3

During the financial year—

From reserved forests.		C. ft.	Rs.	A.	P.
Teak		446,660	1,87,597	0	0
Pyinma		935	224	5	6
Thingan		550	220	0	0
Cutch		14,595	2,038	0	0
Pyinkado		12,500	2,000	0	0
Other unreserved woods—	Logs.				
Dus	181	5,895	400	0	0
Yats	5	100	7	8	0
From unreserved forests.					
Teak		698,842	2,85,615	13	4
Padauk		10,361	2,272	9	8
Pyinma		27,934	4,098	14	9
Thingan		11,020	4,897	8	2
Kanyin		64,474	9,123	0	8
Thitka		51,212	7,998	5	9
Thitkado		2,887	810	8	1
Kaunghmu		4,409	708	14	9
Pyinkado		178,158	17,968	11	5
Other unreserved woods—	Logs.				
Dus	71,211	3,204,495	1,08,872	8	0
Yats	55,334	1,106,680	42,293	0	0
Posts	71,620	358,100	5,559	12	10
Poles	675,445	675,445	1,786	2	2
Sawn	...	19,600	647	0	0
Revenue from Arakan	...	...	2,695	13	6
Sundries	...	...	95	11	1
Outstanding	...	...	239	12	9
A total of		...	6,87,660	6	0

This is an increase of Rs. 2,32,151-7-0 on the receipts of 1891-92. The revenue on teak shows an increase of Rs. 2,48,846-12-11 largely due to an increased output by Messrs. Macgregor and Company. The receipts for reserved timber show an increase of Rs. 8,896-9-3, and the receipts for unreserved woods a decrease of Rs. 26,120-13-11 in spite of the demand for pyinkado and the increase in its price.

During the forest year—

From reserved forests.		C. ft.	Rs.	A.	P.
Teak		446,660	1,87,597	0	0
Pyinma		1,012	244	10	0
Thingan		250	100	0	0
Cutch		675	72	0	0
Pyinkado		17,500	2,800	0	0
Other unreserved kinds—	Logs.				
Dus	169	7,605	514	0	0
Yats	5	100	7	8	0
From unreserved forests.					
Teak		780,814	2,99,088	13	0
Padauk		6,805	1,512	8	3
Pyinma		34,402	5,043	4	5
Thingan		12,610	5,695	12	5
Kanyin		90,130	11,332	5	5
Thitka		62,639	9,703	12	6
Thitkado		1,887	250	8	1
Kaunghmu		6,659	1,063	14	9
Pyinkado		294,712	29,792	2	8
Carried over		...	5,54,817	14	1

			Rs.	A.	P.
		Brought forward ...	5,54,817	14	1

Other unreserved kinds—

	Logs.	C. ft.			
Dus	65,046	2,927,070	99,816	8	0
Yats	50,321	1,006,420	88,874	8	0
Posts	67,790	338,950	5,268	1	10
Poles	546,590	546,590	1,674	5	6
Revenue from Arakan	...	...	2,879	12	7
Sundries	...	...	93	6	7
Outstanding	...	...	214	12	9
		A total of ...	7,08,189	5	4

Or an improvement of Rs. 15,478-15-4 on the revenue of the financial year.

The details for the several divisions are as follow :—

During the period of 15 months—

FROM RESERVES.

	C. ft.	Rs.	A.	P.
Teak.				
Toungoo	446,000	1,87,507	0	0
Pyinma.				
Tharrawaddy	1,062	256	10	0
Thingan.				
Tharrawaddy	550	220	0	0
Cutch.				
Prome	13,830	1,956	0	0
Tharrawaddy	765	82	0	0
Pyinkado.				
Rangoon	17,500	2,800	0	0

Other unreserved kinds—

	Logs.	C. ft.	Rs.	A.	P.
Dus.					
Tharrawaddy	172	7,740	523	0	0
Yats.					
Tharrawaddy	5	100	7	8	0

FROM UNRESERVED FORESTS.

	C. ft.	Rs.	A.	P.
Teak.				
Thayetmyo	6,430	1,829	2	8
Prome	3,519	788	12	3
Tharrawaddy	61,112	21,185	5	0
Rangoon	3,153	919	8	6
Toungoo	647,522	2,71,026	8	2
Shwegyin	12,690	4,431	8	0
Western	4,325	1,253	6	10
Padauk.				
Thayetmyo	1,561	635	9	9
Toungoo	8,100	1,356	15	6
Shwegyin	1,000	400	0	0
Pyinma.				
Tharrawaddy	8,376	1,382	11	9
Rangoon	6,047	971	1	7
Toungoo	7,260	1,021	14	9
Shwegyin	9,750	1,170	0	0
Western	5,775	934	12	2
Thingan.				
Tharrawaddy	166	78	0	9
Rangoon	1,844	747	7	8
Toungoo	5,779	2,634	12	0
Shwegyin	6,075	2,732	8	0
Western	26	5	4	3
Kanyin.				
Tharrawaddy	1,522	248	1	0
Rangoon	10,650	1,704	0	0
Toungoo	25,000	2,000	0	0
Shwegyin	38,825	4,759	0	0
Western	20,193	3,431	13	11
Thitka.				
Rangoon	34,726	5,611	13	9
Shwegyin	19,850	2,614	0	0
Western	9,783	1,709	0	9
Thitkado.				
Rangoon	50	8	0	0
Toungoo	50	8	0	0
Shwegyin	2,375	285	0	0
Western	162	75	3	1
Kaunghmu.				
Rangoon	5,353	886	12	9
Toungoo	1,006	171	2	0
Shwegyin	1,050	126	0	0

FROM UNRESERVED FORESTS—concluded.

Pyinkado.

	Logs.	C. ft.	Rs.	A.	P.
Thayetmyo ...	...	326	32	9	9
Prome ...	...	12,050	1,205	0	0
Tharrawaddy ...	...	156,020	15,714	4	9
Rangoon ...	...	12,338	1,245	5	0
Toungoo ...	...	20,538	2,055	7	6
Shwegyin ...	...	29,175	3,038	8	0
Western ...	...	63,065	6,500	15	3

Other unreserved kinds—

Dus.

Thayetmyo ...	1,770	79,650	2,655	0	0
Prome ...	1,648	74,160	2,504	8	0
Tharrawaddy ...	5,959	268,155	9,037	8	0
Rangoon ...	5,716	257,220	8,620	8	0
Toungoo ...	15,828	712,260	23,783	0	0
Shwegyin ...	17,028	766,260	25,7[illegible]1	8	0
Western ...	34,543	1,554,435	54,194	8	0

Yats.

Thayetmyo ...	12,576	251,520	9,447	0	0
Prome ...	5,310	106,200	4,064	12	0
Tharrawaddy ...	15,540	310,800	11,601	12	0
Rangoon ...	3,212	64,240	2,414	4	0
Toungoo ...	1,056	21,120	824	8	0
Shwegyin ...	2,007	40,140	1,545	4	0
Western ...	22,662	453,240	17,742	0	0

Posts.

Thayetmyo ...	23,355	116,775	1,635	7	3
Prome ...	1,049	5,245	73	8	0
Tharrawaddy ...	1,125	5,625	80	4	0
Rangoon ...	1,050	5,250	73	8	0
Toungoo ...	277	1,385	19	6	6
Shwegyin ...	1,551	7,755	109	10	9
Western ...	49,964	249,820	4,105	11	0

Poles.

Thayetmyo ...	10,675	10,675	26	11	0
Prome ...	3,650	3,650	9	2	0
Tharrawaddy ...	20	20	0	1	3
Rangoon ...	100	100	0	4	0
Toungoo ...	18,075	18,075	45	3	0
Shwegyin ...	2,000	2,000	5	4	0
Western ...	778,550	778,550	2,066	7	11

Sawn timber.

Prome ...		10,600	647	0	0

During the Financial year—

FROM RESERVED FORESTS.

Teak.

	Logs.	C. ft.	Rs.	A.	P.
Toungoo ...	...	446,660	1,87,597	0	0

Pyinma.

Tharrawaddy ...	...	935	224	5	6

Thingan.

Tharrawaddy ...	...	550	220	0	0

Cutch.

Prome ...	...	13,830	1,956	0	0
Tharrawaddy ...	...	765	82	0	0

Pyinkado.

Rangoon ...	...	12,500	2,000	0	0

Other unreserved kinds—

Dus.

Tharrawaddy ...	131	5,695	400	0	0

Yats.

Tharrawaddy ...	5	100	7	8	0

FROM UNRESERVED FORESTS.

Teak.

	Logs.	C. ft	Rs.	A.	P.
Thayetmyo ...	...	6,003	1,721	2	11
Prome ...	...	2,505	537	10	9
Tharrawaddy ...	...	24,285	7,574	2	0
Rangoon ...	...	675	155	5	0
Toungoo ...	...	644,690	2,70,556	3	6
Shwegyin ...	...	11,410	4,047	8	0
Western ...	...	3,774	1,023	13	2

Padauk.

Thayetmyo ...	...	1,561	635	9	9
Toungoo ...	...	7,800	1,236	15	6
Shwegyin ...	...	1,000	400	0	0

Pyinma.

Tharrawaddy ...	...	3,880	629	11	0
Rangoon ...	...	4,708	753	4	10
Toungoo ...	...	5,750	880	0	0
Shwegyin ...	...	8,725	1,047	0	0
Western ...	...	4,871	783	14	11

Thingan.

Tharrawaddy ...	...	99	49	8	0
Rangoon ...	...	1,594	647	7	
Toungoo ...	...	4,226	1,893	7	3
Shwegyin ...	...	5,075	2,302	8	0
Western ...	...	26	5	4	3

Kanyin.

Thayetmyo ...	...	1,496	242	12	6
Rangoon ...	...	9,350	1,496	0	0
Shwegyin ...	...	36,325	4,459	0	0
Western ...	...	17,303	2,925	4	2

FROM UNRESERVED FORESTS—concluded.

Thitka.

	Logs.	C. ft.	Rs.	A.	P.
Rangoon		28,921	4,713	14	5
Shwegyin		14,850	2,014	0	0
Western		7,441	1,270	7	4

Thitkado.

Rangoon		50	8	0	0
Toungoo		50	8	0	0
Shwegyin		1,825	219	0	0
Western		462	75	3	1

Kaunghmu.

Rangoon		2,353	406	12	9
Toungoo		1,006	171	2	0
Shwegyin		1,050	196	0	0

Pyinkado.

Thayetmyo		100	10	0	0
Prome		10,650	1,065	0	0
Tharrawaddy		129,600	12,960	0	0
Rangoon		5,050	505	0	0
Toungoo		3,344	465	10	6
Shwegyin		11,150	1,117	0	0
Western		17,364	1,756	0	11

Other unreserved kinds—

Dus.

Thayetmyo	1,613	72,585	2,419	8	0
Prome	1,247	56,115	1,901	0	0
Tharrawaddy	5,531	248,895	8,394	8	0
Rangoon	5,076	228,420	7,057	0	0
Toungoo	12,582	566,190	18,884	0	0
Shwegyin	15,659	704,655	23,660	0	0
Western	29,503	1,327,635	45,047	8	0

Yats.

Thayetmyo	11,462	229,240	8,611	8	0
Prome	4,374	87,480	3,362	8	0
Tharrawaddy	13,507	270,140	10,152	0	0
Rangoon	2,708	54,100	2,036	0	0
Toungoo	1,028	20,560	803	8	0
Shwegyin	1,755	35,100	1,329	4	0
Western	20,500	410,000	15,998	4	0

Posts.

Thayetmyo	22,299	111,495	1,561	6	6
Prome	989	4,945	69	4	9
Tharrawaddy	1,000	5,000	71	8	0
Rangoon	800	4,000	56	0	0
Toungoo	277	1,385	19	0	6
Shwegyin	1,291	6,455	90	12	6
Western	44,064	224,820	3,691	6	7

Poles.

Thayetmyo	9,575	9,575	23	15	0
Prome	3,500	3,500	8	12	0
Tharrawaddy	20	20	0	1	3
Rangoon	100	100	0	4	0
Toungoo	13,625	13,625	34	1	0
Shwegyin	1,700	1,700	4	6	0
Western	646,925	646,925	1,714	10	11

Sawn.

Prome	19,600	647	0	0	

During the forest year—

FROM RESERVED FORESTS.

Teak.

	Logs.	C. ft.	Rs.	A.	P.
Toungoo		446,660	1,87,597	0	0

Pyinma.

Tharrawaddy		1,012	244	10	0

Thingan.

Tharrawaddy		250	100	0	0

Cutch.

Tharrawaddy		675	72	0	0

Pyinkado.

Rangoon		17,500	2,800	0	0

Other unreserved kinds—

Dus.

Tharrawaddy	160	7,605	514	0	0

Yats.

Tharrawaddy	5	100	7	8	0

FROM UNRESERVED FORESTS.

Teak.

	C. ft.	Rs.	A.	P.
Thayetmyo	4,931	1,362	11	4
Prome	2,115	470	8	6
Tharrawaddy	58,119	20,201	6	0
Rangoon	3,124	918	6	5
Toungoo	646,765	2,70,877	4	11
Shwegyin	12,160	4,239	8	0
Western	3,560	1,019	4	10

Padauk.

Thayetmyo	1,361	555	9	9
Toungoo	5,444	956	14	6

FROM UNRESERVED FORESTS—concluded.

	Logs.	C. ft.	Rs.	A.	P.
Pyinma.					
Tharrawaddy ...	...	7,621	1,261	11	9
Rangoon ...	...	5,572	895	1	7
Toungoo ...	...	7,144	1,003	5	9
Shwegyin ...	...	9,450	1,134	0	0
Western ...	...	4,615	749	1	4
Thingan.					
Tharrawaddy ...	...	166	78	0	9
Rangoon ...	...	1,844	747	7	8
Toungoo ...	...	4,875	2,267	12	0
Shwegyin ...	...	5,725	2,602	8	0
Kanyin.					
Tharrawaddy ...	...	1,522	248	1	0
Rangoon ...	...	10,650	1,704	0	0
Toungoo ...	...	25,000	2,000	0	0
Shwegyin ...	...	34,850	4,282	0	0
Western ...	...	18,108	3,006		5
Thitka.					
Rangoon ...	...	33,526	5,452	13	9
Shwegyin ...	...	19,450	2,566	0	0
Western ...	...	9,663	1,684	14	9
Thitkado.					
Rangoon ...	...	50	8	0	0
Toungoo ...	...	50	8	0	0
Shwegyin ...	...	1,325	159	0	0
Western ...	...	402	75	3	1
Kaunghmu.					
Rangoon ...	...	4,853	806	12	0
Toungoo ...	...	756	131	2	0
Shwegyin ...	...	1,050	126	0	0
Pyinkado.					
Thayetmyo ...	...	326	32	9	9
Prome ...	...	12,050	1,205	0	0
Tharrawaddy ...	...	156,620	15,714	4	9
Rangoon ...	...	12,336	1,245	5	0
Toungoo ...	...	20,538	2,055	7	6
Shwegyin ...	...	29,175	3,038	8	0
Western ...	...	63,665	6,500	15	3

Other unreserved kinds—

Dus.					
Thayetmyo ...	1,584	71,280	2,376	0	0
Prome ...	1,288	57,960	1,935	8	0
Tharrawaddy ...	3,513	158,085	5,368	8	0
Rangoon ...	4,953	222,885	7,476	0	0
Toungoo ...	12,148	546,660	18,263	0	0
Shwegyin ...	13,474	606,330	20,339	0	0
Western ...	28,086	1,263,870	44,058	8	0
Yats.					
Thayetmyo ...	10,916	218,320	8,202	0	0
Prome ...	4,015	80,300	3,012	4	0
Tharrawaddy ...	11,545	230,900	8,380	8	0
Rangoon ...	2,940	58,800	2,210	4	0
Toungoo ...	816	16,320	644	8	0
Shwegyin ...	1,888	37,760	1,450	8	0
Western ...	18,206	364,120	14,174	8	0
Posts.					
Thayetmyo ...	20,674	103,370	1,447	10	6
Prome ...	749	3,745	52	7	6
Tharrawaddy ...	575	2,875	41	12	0
Rangoon ...	900	4,500	63	0	0
Toungoo ...	140	700	9	13	0
Shwegyin ...	1,251	6,255	88	10	9
Western ...	43,501	217,505	3,564	12	1
Poles.					
Thayetmyo ...	9,575	9,575	23	15	0
Prome ...	3,350	3,350	8	6	0
Tharrawaddy ...	20	20	0	1	3
Rangoon ...	100	100	0	4	0
Toungoo ...	17,525	17,525	43	13	0
Shwegyin ...	1,600	1,600	4	4	0
Western ...	514,420	514,420	1,593	10	3

Firewood and charcoal.

47. During the period of 15 months Rs. 33,854-3-9 were received for 3,647,283 cubic feet of firewood and Rs. 2,866 for 1,433 charcoal licenses consuming 1,003,100 cubic feet of timber.

The amounts were—

During the financial year—	C. ft.	Rs.	A.	P.
Firewood	2,467,453	23,293	2	1
Charcoal	905,800	2,588	0	0

showing an increase of Rs. 3,661-4-8 on the revenue of 1891-92. Commencing from the 1st January 1893 fees were levied on firewood brought into certain large towns, and on firewood used by railways, steamers, and in brick-making.

The amounts were—

During the forest year—	C. ft.	Rs.	A.	P.
Firewood	3,338,598	31,034	4	9
Charcoal	841,400	2,404	0	0

The divisional details are :—

For the period of 15 months—

FROM RESERVED FORESTS.

Firewood.

	C. ft.	Rs.	A.	P.
Tharrawaddy ...	27,450	187	10	0

FROM UNRESERVED FORESTS.

Firewood.

	C. ft.	Rs	A	P.
Thayetmyo ...	141,972	1,373	5	0
Prome ...	169,190	1,691	14	8
Tharrawaddy ...	35,380	353	8	0
Rangoon ...	234 524	1,621	14	2
Toungoo ...	426,083	2,800	9	3
Shwegyin ...	191,935	1,423	4	0
Western ...	355,200	3,551	11	8
Agency ...	2,064,950	20,649	7	0

Charcoal.

Thayetmyo ...	77,700	222	0	0
Prome ...	154 000	440	0	0
Tharrawaddy ...	34,300	98	0	0
Rangoon ...	321,300	918	0	0
Toungoo ...	72,100	206	0	0
Shwegyin ...	171,500	490	0	0
Western ...	172,200	492	0	0

For the financial year—

FROM RESERVED FORESTS.

Firewood.

	C. ft.	Rs.	A.	P.
Tharrawaddy ...	17,925	96	6	0

FROM UNRESERVED FORESTS.

Firewood.

	C. ft.	Rs.	A.	P.
Thayetmyo ...	70,916	718	15	6
Prome ...	77,327	773	9	5
Tharrawaddy ...	31,475	314	12	0
Rangoon ...	159,830	1,122	15	0
Toungoo ...	123,810	845	10	0
Shwegyin ...	133,800	893	8	0
Western ...	173,800	1,737	9	8
Agency ...	1,679,480	10,704	12	6

Charcoal.

Thayetmyo ...	72,100	206	0	0
Prome ...	135,800	388	0	0
Tharrawaddy ...	30,100	86	0	0
Rangoon ...	319,200	912	0	0
Toungoo ...	59,500	170	0	0
Shwegyin ...	139,800	398	0	0
Western ...	149,800	428	0	0

For the forest year—

FROM RESERVED FORESTS.

Firewood.

	C. ft.	Rs.	A.	P.
Tharrawaddy ...	11,725	102	4	0

FROM UNRESERVED FORESTS.

Firewood.

	C. ft.	Rs.	A.	P.
Thayetmyo ...	141,972	1,373	5	0
Prome ...	169,190	1,691	9	8
Tharrawaddy ...	34,100	341	0	0
Rangoon ...	230,524	1,797	14	2
Toungoo ...	398,702	2,653	5	8
Shwegyin ...	179,135	1,343	4	0
Western ...	355,200	3,551	11	8
Agency ...	1,817,900	18,179	15	0

Charcoal.

Thayetmyo ...	60,200	172	0	0
Prome ...	133,000	380	0	0
Tharrawaddy ...	30,100	86	0	0
Rangoon ...	300,300	858	0	0
Toungoo ...	53,900	154	0	0
Shwegyin ...	123,200	352	0	0
Western ...	140,700	402	0	0

Bamboos.

48. The revenue from bamboos was—

	Rs.	A.	P.
During the period of 15 months	52,012	15	6
During the financial year	44,709	14	0

compared with Rs. 14,157-15-9 during 1891-92, when fees were first charged on bamboos extracted from unreserved forests. The increase would have been much larger but for the issue of free licenses in the Thayetmyo district (on the plea of poverty owing to a scanty harvest), which entailed a loss to the Forest Department of Rs. 66,673. During the forest year the revenue from this source amounted to Rs. 41,491-3-0.

The divisional details are :—

For the period of 15 months—

FROM RESERVED FORESTS.

	No	Rs.	A	P.
Thayetmyo ...	64,500	161	4	0
Prome ...	44,700	111	12	0
Tharrawaddy ...	1,804,700	4,532	12	0
Rangoon ...	2,103,950	5,272	6	0
Toungoo ...	577,550	1,443	14	0
Shwegyin ...	11,000	27	8	0

FROM UNRESERVED FORESTS.

	No.	Rs	A.	P.
Thayetmyo	1,741,750	4,354	6	0
Prome	1,378,150	3,445	6	0
Tharrawaddy	254,800	637	0	0
Rangoon	927,050	3,177	5	0
Toungoo	317,600	794	8	0
Shwegyin	1,229,775	3,171	9	6
Western	9,763,517	24,795	5	0
Agency	25,200	88	0	0

For the financial year—

FROM RESERVED FORESTS.

	No.	Rs.	A.	P.
Thayetmyo	64,500	161	4	0
Prome	44,700	111	12	0
Tharrawaddy	1,211,100	3,048	12	0
Rangoon	1,937,450	4,850	4	0
Toungoo	545,650	1,364	2	0
Shwegyin	4,900	12	4	0

FROM UNRESERVED FORESTS.

	No.	Rs.	A.	P.
Thayetmyo	1,741,750	4,354	6	0
Prome	1,250,750	3,126	14	0
Tharrawaddy	164,600	411	8	0
Rangoon	641,250	2,286	5	0
Toungoo	236,750	591	14	0
Shwegyin	1,029,300	2,650	15	0
Western	8,552,917	21,655	11	0
Agency	22,000	64	1	0

For the forest year—

FROM RESERVED FORESTS.

	No.	Rs.	A.	P.
Thayetmyo	63,500	158	12	0
Prome	34,700	86	12	0
Tharrawaddy	1,343,700	3,380	4	0
Rangoon	1,968,600	4,977	6	0
Toungoo	549,400	1,373	8	0
Shwegyin	11,000	27	8	0

FROM UNRESERVED FORESTS.

	No.	Rs.	A.	P.
Thayetmyo	1,698,450	4,246	2	0
Prome	1,270,900	3,177	4	0
Tharrawaddy	197,300	493	4	0
Rangoon	889,700	3,037	4	0
Toungoo	245,000	612	8	0
Shwegyin	1,138,900	2,901	10	0
Western	6,082,642	16,931	1	0
Agency	22,000	88	0	0

Canes.

49. The revenue on canes was for 15 months Rs. 25,278-2-0, for the financial year Rs. 19,625 (an increase of Rs. 18,031 on the revenue of 1891-92 from this source), for the forest year Rs. 23,317-2-0.

The divisional details are:—

For the period of 15 months—

FROM RESERVED FORESTS.

	No.	Rs.	A.	P.
Tharrawaddy	100	1	0	0
Rangoon	13,884	183	0	0
Toungoo	8,866	738	8	0

FROM UNRESERVED FORESTS.

	No.	Rs.	A.	P.
Tharrawaddy '...	800	8	0	0
Rangoon	30,064	653	12	0
Toungoo	15,278	2,457	6	0
Shwegyin	8,824	1,063	6	0
Western	1,896,245	20,173	0	0

For the financial year—

FROM RESERVED FORESTS.

	No.	Rs.	A.	P.
Tharrawaddy	100	1	0	0
Rangoon	1,784	62	0	0
Toungoo	3,764	736	4	0

FROM UNRESERVED FORESTS.

	No.	Rs.	A.	P.
Tharrawaddy	800	8	0	0
Rangoon	22,914	534	4	0
Toungoo	14,803	2,386	12	0
Shwegyin	5,455	1,011	8	0
Western	1,380,840	14,385	4	0

For the forest year—

FROM RESERVED FORESTS.

	No.	Rs.	A.	P
Rangoon	13,884	183	0	0
Toungoo	8,766	713	8	0

FROM UNRESERVED FORESTS.

	No.	Rs.	A.	P.
Tharrawaddy	700	7	0	0
Rangoon	30,064	653	12	0
Toungoo ... , ...	13,973	2,203	4	0
Shwegyin	8,714	1,035	14	0
Western	1,738,933	18,520	12	0

Collection of drift logs.

50. The drift timber collected amounted to 9,464 logs, involving an expenditure of Rs. 28,662-10-0 for labour and other expenses and Rs. 2,041-0-1 for establishment charged to this work. Rupees 22,332-10-7 were received as salvage for 7,994 logs claimed by owners and Rs. 39,628-2-5 for 1,523 unclaimed logs sold. Rupees 835-5-9 were received for confiscated logs, &c. Outstandings amounting to Rs. 71-12-0 were collected during the year, and at its close there was an outstanding of Rs. 318-8-0.

The following table gives details of drift timber operations :—

Division.	Balance on 1st April 1892.	Collected.	Returned to claimants.	Sold.	Used, lost, &c.	Sent to Rangoon.	Balance on 30th June 1893.
Thayetmyo	49	408	341	73	37	...	6
Prome	91	556	386	205	1	...	55
Tharrawaddy	...	9	...	9	...	...	...
Rangoon	...	594	...	...	...	594	...
Toungoo	156	4,641	4,299	177	4	146	171
Shwegyin	229	1,687	1,491	177	1	232	15
Western	195	846	385	314	8	35	299
Agency	89	728	1,101	568	...	...	150
Total ...	809	9,464	8,008	1,528	51	...	696

Imports.

51. From Upper Burma were imported—

by the Irrawaddy—
Teak 62,584 logs, 3,392 converted pieces;

by the Sittang—
Teak 51,599 logs.

Export of teak.

52. The export of teak from Rangoon during the period of 15 months amounted to 109,336 tons valued at Rs. 85,81,296. Of the total quantity 34 per cent. went to Europe, 29 per cent. to Bombay, 19 per cent. to Madras, 12 per cent. Calcutta, and 6 per cent. to other ports.

Export of timber other than teak.

53. The export of timber other than teak amounted to 10,667 tons valued at Rs. 6,33,779.

Export of cutch and lac.

54. Cutch was exported to the extent of 318,696 cwt. valued at Rs. 53,50,298 and stick lac to the extent of 12,414 cwt. valued at Rs. 3,15,309.

(*f*) Exploitation of Minor Forest produce.

2.—*Grazing.*

Grazing.

55. The fees received for grazing within reserves amounted to Rs. 386-12-0 for the period of 15 months, Rs. 370-12-0 for the financial year, or Rs. 28-4-0 less than in 1891-92, and Rs. 89-12-0 for the forest year.

For the 15 months.

	Rs.	A.	P.
Tharrawaddy	89	12	0
Rangoon	297	0	0

For the Financial year.

Tharrawaddy	73	12	0
Rangoon	297	0	0

For the Forest year.

Tharrawaddy	89	12	0

3.—*Miscellaneous produce.*

Minor forest produce.

56. The revenue from other minor forest produce during the period of 15 months was Rs. 50,694-3-9; during the financial year Rs. 37,400-2-9, or Rs. 4,780 less than in 1891-92; and during the forest year Rs. 27,243-3-0.

The details are as follow :—

For 15 Months.

FROM RESERVES.

Division.	Cutch.	Fibre.	Wood-oil and resin.	Leaves.	Fruits.	Honey and wax.	Laterite.	Fish.	Thatch.	Total.
	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Thayetmyo	...	.	...	2	...	...	...	...	...	2
Prome	2,790	112	90	4	...	...	...	...	...	2,096
Tharrawaddy	27,959	188	90	112	10	20	...	20	3	28,402
Rangoon	...	90	...	85	41	...	15	20	72	323
Toungoo	...	...	320	...	...	20	...	...	1	341
Total ...	30,749	390	500	203	51	40	15	40	76	32,064

FROM UNRESERVED FORESTS.

Division.	Cutch.	Fibre.	Wood-oil and resin.	Leaves.	Fruits.	Honey and wax.	Bark.	Extract of bark.	Laterite.	Thatch.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Thayetmyo	8	45	205	...	...	...	...	10,380	...	...	10,638
Prome	...	45	1,046	...	8	...	...	..	...	..	1,099
Tharrawaddy	3,240	...	70	21	...	60	...	...	...	2	3,393
Rangoon	...	30	80	...	...	...	16	...	3	...	129
Toungoo	...	195	1,010	...	.1	99	...	...	...	1,322	2,642
Shwegyin	...	90	180	...	...	...	...	...	...	458	728
Total ...	3,248	405	2,591	21	24	159	16	10,380	3	1,782	18,629

For the Financial year.

FROM RESERVES.

Division.	Cutch.	Fibre.	Wood-oil and resin.	Leaves.	Fruits.	Honey and wax.	Fish.	Laterite.	Thatch.	Total.
	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs
Thayetmyo	...	...	...	2	..	...	...	...	...	2
Prome	...	112	66	4	..	...	...	..	...	182
Tharrawaddy	20,839	83	50	62	1	10	20	...	3	21,068
Rangoon	...	90	. .	80	31	...	20	15	70	306
Toungoo	...	...	20	...	...	10	...	...	1	31
Total ...	20,839	285	136	148	32	20	40	15	74	21,589

FROM UNRESERVED FORESTS.

Division.	Cutch.	Fibre.	Wood-oil and resin.	Leaves.	Fruits.	Bark.	Extract of bark.	Laterite.	Thatch.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.
Thayetmyo	...	15	26	...	...	...	10,200	...	...	10,241
Prome	...	45	264	. .	8	...	...		...	317
Tharrawaddy	3,240	...	52	21	...	...	...	...	2	3,315
Rangoon	...	30	76	...	...	16	...	3	...	125
Toungoo	...	195	(1)522	...		...	...	.	796	1,513
Shwegyin	...	90	154			...	...	...	56	300
Total ...	3,240	375	1,094	21	8	16	10,200	3	854	15,811

For the Forest year.

FROM RESERVES.

Division.	Cutch.	Fibre.	Wood-oil and resin.	Leaves.	Fruits.	Honey and wax.	Fish.	Laterite.	Thatch.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Thayetmyo	.	..	...	2		..	...	...		2
Prome	2,790	3	54	4	...		...	...	..	2,851
Tharrawaddy	8,370	156	50	52	10	10	10	.		8,658
Rangoon	...	90	...	85	41		20	15	62	313
Toungoo		...	320			10	...	..	1	331
Total ...	11,160	249	424	143	51	20	30	15	63	12,155

FROM UNRESERVED FORESTS.

Division.	Catch.	Fibre.	Wood-oil and resin.	Fruits.	Honey and wax.	Bark.	Extract of bark.	Laterite.	Thatch.	Total.
	Rs.	Rs.	Rs	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs
Thayetmyo	8	45	191	...	...	...	10,360	...	.	10,634
Prome	...	45	1,018	8	...	...	...	...	...	1,071
Tharrawaddy	...	...	50	...	60	...	...	...	...	110
Rangoon	...	30	80	.	..	16	...	3	...	129
Toungoo	...	195	706	16	99	...	...	...	1,322	2,428
Shwegyin	...	90	178	...	...	...	...	...	458	726
Total ...	8	405	2,313	24	159	16	10,360	3	1,780	15,098

CHAPTER III.

GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

Timber extracted departmentally.

57. The extraction of timber by Government agency amounted to—

Teak	43,824 logs or	41,212 tons.
Other woods	1,041 „	924 „

Sales.

58. The sales yielded Rs. 22,14,161-13-5 for 54,341 logs containing 50,568 tons; the amount received during the financial year was Rs. 18,93,187-9-4 or Rs. 2,74,066-4-9 in excess of the receipts of 1891-92. The amount received during the forest year was Rs. 16,47,203-5-11.

The details of sales are as follows:—

	Logs.	C. ft	Rs. A. P.
Teak.			
Thayetmyo	1,533	30,397	14,669 1 3
Prome	734	19,056	9,441 11 3
Tharrawaddy	4,828	100,990	29,039 8 0
Rangoon	1,980	18,059	7,285 4 0
Toungoo	16	1,139	990 11 3
Western	223	7,775	6,723 15 0
Agency	43,831	2,291,498	21,53,747 12 6
Other kinds.			
Rangoon	904	45,199	7,051 8 0
Western	200	3,848	1,121 6 2
Agency	90	4,428	1,272 0 0
			22,31,342 13 5
Add—			
Outstanding from 1891-92			33,087 0 0
Deposits			17,750 0 0
			22,82,179 13 5
Deduct—			
Outstanding			68,018 0 0
			22,14,161 13 5

Rangoon depôt.

59. The transactions at the Rangoon Central Depôt are shown in the following table :—

Description.	Balance on 1st April 1892.		Arrivals.		Sales and disposals.		Balance on 30th June 1893.	
	Logs.	C. ft.	Logs.	C. ft.	Logs.	C. ft.	Logs.	C. ft.
Teak	27,081	1,331,878	33,593	1,827,088	43,841*	2,291,833	16,833	867,123
Wood of other kinds	37	1,463	53	2,965	90	4,428	...	...
Drift teak ...	72	2,251	1,670	75,180	1,610	70,891	132	6,540
Drift of other kinds...	17	891	60	2,596	59	2,554	18	933
Total ...	27,207	1,336,478	35,376	1,907,824	45,600	2,369,706	16,983	874,596

* Includes 10 logs used departmentally.

The arrivals were 133,357 cubic feet more than in 1891-92, the balance on hand at the close of the forest year was 461,882 cubic feet less than the balance at the close of the financial year 1891-92. The stock on hand has been valued at Rs. 5,53,058 or Rs. 2,92,922 less than on the 1st April 1892, but the sales since the 1st April 1893 exceed this amount.

Sales in Rangoon.

60. The sales gave the following results:—

	Logs.	Rs. A. P.	Per ton. Rs. A. P.
Auction sales	32,570	14,64,744 0 0	44 11 9
Private sales	11,351	6,90,275 12 6	52 6 3
Total ...	43,921	21,55,019 12 6	46 14 11

or Rs. 6-3-6 per ton less than in 1891-92. It is doubtful whether there has been any real decline in prices, and the difference is mostly due to more accurate measurement of the timber sold at auction.

Outturn of timber extracted by consumers and purchasers.

61. The removal of timber by purchasers amounted to:—

For the period of 15 months.	
	Tons.
Teak	23,708
Reserved woods	4,977
Unreserved woods	130,080
Firewood and charcoal	93,008
	Thousands.
Bamboos	20,244
Canes	1,969
For the Financial year.	
Teak	22,800
Reserved woods	3,758
Unreserved woods	111,219
Firewood and charcoal	67,465
	Thousands.
Bamboos	17,448
Canes	1,430
For the Forest year.	
Teak	23,549
Reserved woods	4,341
Unreserved woods	102,779
Firewood and charcoal	83,600
	Thousands.
Bamboos	16,136
Canes	1,810

Free-grants.

62. Free-grants of timber amounted to—

	Tons.
Teak	483
Reserved kinds	28
	Thousands.
Bamboos	26,669

Right-holders.

63. Timber removed by right-holders and under privileges amounted to—

	Tons.
Firewood	5
	Thousands.
Bamboos	48

but these amounts do not include the very large quantity of timber and bamboos extracted free of charge from unreserved forests for local consumption.

Summary of outturn of timber.

64. The total quantity of timber extracted from forests in the Circle was—

How extracted.	Teak.		Other reserved woods.		Unreserved woods.		Fuel.		Bamboos.		Canes.	
	Tons.	Value.	Tons.	Value.	Tons.	Value.	Tons.	Value.	Thousands.	Value.	Thousands.	Value.
For 15 months.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
By Government agency	41,212	18,04,216	41	815	883	13,252	...	...	...	...	...	...
Lapsed drift	1,142	39,628	...	...	...	...	...	...	...	...	...	...
By purchasers	23,708	4,88,983	4,977	40,257	130,080	2,16,226	93,008	36,720	20,244	52,013	1,969	25,278
Under free-grant	483	9,660	28	224	...	...	...	...	26,669	66,673	...	...
By right-holders	...	...	...	...	...	...	5	3	48	119	...	...
Total ...	66,545	23,42,487	5,046	41,296	130,963	2,29,478	93,013	36,723	46,961	1,18,805	1,969	25,278
For the Financial year.												
By Government agency	41,212	18,04,216	41	815	883	13,252	...	...	...	...	...	...
Lapsed drift	878	31,340	...	...	...	...	...	...	...	...	...	...
By purchasers	22,800	4,73,213	3,758	31,882	111,219	1,79,535	67,465	25,881	17,448	44,710	1,430	19,625
Under free-grant	483	9,660	28	224	...	...	...	...	26,665	66,663	...	...
By right-holders	...	...	...	...	...	...	5	3	48	119	...	...
Total ...	65,373	23,18,429	3,827	32,921	112,102	1,92,787	67,470	25,884	44,161	1,11,492	1,430	19,625
For the Forest year.												
By Government agency	41,212	18,04,216	41	815	883	13,252	...	...	...	...	...	...
Lapsed drift	838	25,976	...	...	...	...	...	...	...	...	...	...
By purchasers	23,549	4,86,686	4,341	35,018	102,779	1,78,247	83,600	33,438	16,136	41,491	1,810	23,317
Under free-grant	483	9,660	28	224	...	...	...	...	26,669	66,673	...	...
By right-holders	...	...	...	...	...	...	5	3	48	119	...	...
Total ...	66,082	23,26,538	4,410	36,057	103,662	1,91,499	83,605	33,441	42,853	1,08,283	1,810	23,317

Summary of outturn of minor forest produce.

65. The revenue received on minor forest produce extracted by purchasers was—

For the period of 15 months.

	Rs.	A.	P.
Cutch	33,997	6	6
Fibres	795	0	9
Wood-oil and resins	8,091	0	0
Leaves	224	8	0
Fruits	75	4	0
Honey and wax	199	0	0
Fish	40	0	0
Stone	18	0	0
Thatch	1,858	0	6
Barks	10,896	0	0
Total ...	50,694	3	9

For the Financial year.

	Rs.	A.	P.
Cutch	24,079	0	0
Fibres	660	0	9
Wood-oil and resins	1,230	0	0
Leaves	169	8	0
Fruits	40	0	0
Honey and wax	20	0	0
Fish	40	0	0
Stone	18	0	0
Thatch	927	10	0
Barks	10,216	0	0
Total ...	37,400	2	9

For the Forest year.

	Rs.	A.	P.
Cutch	11,168	6	6
Fibres	654	0	0
Wood-oil and resins	2,737	0	0
Leaves	143	0	0
Fruits	74	12	0
Honey and wax	179	0	0
Fish	30	0	0
Stone	18	0	0
Thatch	1,843	0	6
Barks	10,896	0	0
Total ...	27,243	3	0

CHAPTER IV.

FINANCIAL RESULTS.

Financial results.

66. The revenue and expenditure amounted to :—

For the period of 15 months—

		Rs.	Rs.
Revenue			32,27,006
Expenditure	(A)	7,61,001	
	(B)	3,03,923	
			10,64,924
Surplus ...			21,62,082

For the Financial year—

		Rs.	Rs.
Revenue			27,87,596
Expenditure	(A)	6,72,597	
	(B)	2,43,251	
			9,15,848
Surplus ...			18,71,748

For the Forest year—

		Rs.	Rs.
Revenue			25,54,543
Expenditure	(A)	6,66,738	
	(B)	2,41,599	
			9,08,337
Surplus ...			16,46,206

The surplus will be reduced by about Rs. 50,000 by a charge on account of the Forest Department share of the expenses of the Survey party which is not yet included in the accounts.

Comparison with previous three years.

67. The figures of the previous three years compare as follows :—

Year.	Revenue.	Expenditure.	Surplus.
	Rs.	Rs.	Rs.
1889-90	24,01,158	9,05,272	14,95,886
1890-91	21,03,322	7,04,423	13,98,899
1891-92	22,07,514	9,20,826	12,86,688
1892-93	27,87,596	9,15,848	18,71,748

Comparison with previous year.

68. Timber extracted departmentally yielded Rs. 2,74,067 more, and cost Rs. 18,366 less, the result in favour of the year being Rs. 2,92,433. Timber and forest produce extracted by purchasers yielded Rs. 2,79,257 more and cost Rs. 3,658 more, the result in favour of the year being Rs. 2,75,599. Drift timber operations yielded Rs. 20,255 more, and cost Rs. 10,888 more, the result in favour of the year being Rs. 9,367. Miscellaneous receipts were Rs. 6,503 more and miscellaneous expenditure was Rs. 1,213 more, the result in favour of the year being Rs. 5,290.

The expenditure on live stock was Rs. 4,226 less, on communications and buildings Rs. 5,578 more, and on demarcation and improvement Rs. 18,049 less. The expenditure on establishment increased Rs. 14,857, that on travelling allowances decreased Rs. 939, and that on contingencies increased Rs. 408.

69. The following statement shows the revenue and expenditure for each division—

Division.	Revenue.			Expenditure.			Surplus.
	Local collections.	Agency collections.	Total.	Local.	Agency.	Total.	
For the period of 15 months.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Thayetmyo ...	58,201	61,151	1,19,352	45,800	9,793	55,593	63,759
Prome ...	40,299	1,44,862	1,85,161	66,499	14,772	81,271	1,03,890
Tharrawaddy ...	1,35,032	9,89,419	11,24,451	3,25,729	27,651	3,53,380	7,71,071
Rangoon ...	55,388	2,54,267	3,09,650	1,25,791	15,445	1,41,236	1,68,414
Toungoo ...	5,23,504	6,10,851	11,34,355	2,44,431	40,364	2,84,795	8,49,560
Shwegyin ...	63,505	92,217	1,55,722	62,799	10,466	73,265	82,457
Western ...	1,65,606	1,028	1,66,634	52,831	9,422	62,253	1,04,381
Agency ...	...	31,681	31,681	...	13,131	13,131	18,550
Total ...	10,41,580	21,85,476	32,27,006	9,23,880	1,41,044	10,64,924	21,62,082
For the Financial year.							
Thayetmyo ...	48,867	22,321	71,188	39,001	7,861	46,865	24,323
Prome ...	30,368	61,311	91,679	56,286	12,691	68,977	22,702
Tharrawaddy ...	1,03,622	9,47,657	10,51,279	2,97,435	23,090	3,20,525	7,30,754
Rangoon ...	46,640	2,30,506	2,77,146	1,14,926	12,656	1,27,582	1,49,564
Toungoo ...	5,06,750	5,11,401	10,18,151	1,96,562	31,623	2,28,185	7,89,966
Shwegyin ...	54,586	65,165	1,19,751	56,364	8,422	64,786	54,965
Western ...	1,31,804	1,028	1,32,832	41,078	7,657	48,730	84,102
Agency ...	...	25,570	25,570	...	10,198	10,198	15,372
Total ...	9,22,637	18,64,959	27,87,596	8,01,650	1,14,198	9,15,848	18,71,748
For the Forest year.							
Thayetmyo ...	54,009	52,165	1,06,174	39,728	7,726	47,454	58,720
Prome ...	31,714	94,707	1,26,421	55,767	11,135	66,902	59,519
Tharrawaddy ...	96,408	6,37,584	7,33,992	2,95,892	22,867	3,18,759	4,15,233
Rangoon ...	52,406	2,28,713	2,81,119	1,15,495	11,689	1,27,184	1,53,935
Toungoo ...	5,14,658	4,91,349	10,06,007	2,08,725	29,412	2,38,137	7,72,870
Shwegyin ...	54,408	80,132	1,34,541	43,073	7,640	50,713	83,828
Western ...	1,39,812	490	1,40,302	46,092	7,406	53,498	86,804
Agency ...	...	25,987	25,987	...	10,690	10,690	15,297
Total ...	9,43,415	16,11,128	25,54,543	7,99,772	1,08,565	9,08,337	16,46,206

70. The usual comparison of receipts and charges with those of the last two years is as follows:—

	Receipts.			Charges.			Surplus or deficit.					
	1890-91.	1891-92.	1892-93.	1890-91.	1891-92.	1892-93.	1890-91.		1891-92.		1892-93.	
							Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Departmental timber operations.	13,87,043	16,48,941	19,43,263	4,98,577	6,75,645	6,85,767	8,88,466	...	9,73,296	...	12,57,496	...
II.—Other revenue	7,16,279	5,58,573	8,44,333	70,025	74,106	91,521	6,46,254	...	4,84,467	...	7,52,812	...
III.—Formation and improvement	...	...	...	1,35,821	1,71,075	1,38,560	...	1,35,821	...	1,71,075	...	1,38,560
Total ...	21,03,322	22,07,514	27,87,596	7,04,423	9,20,826	9,15,848	13,98,899	...	12,86,688	...	18,71,748	...

CHAPTER V.

FOREST ADMINISTRATION AND GENERAL REMARKS.

Changes in superior staff.

71. Mr. H. A. Hoghton, Deputy Conservator of Forests, left the circle on 16th August 1892 on transfer to the Central Provinces, and Mr. H. B. Anthony, Deputy Conservator of Forests, was transferred from the Central Provinces and joined the circle

on the 20th September 1892. Privilege leave was granted to the following officers: Mr. H. B. Ward, Deputy Conservator of Forests, 3½ months from the 16th April 1892. Mr. C. H. Hobart-Hampden, Deputy Conservator of Forests, 3½ months from the 19th July 1892. Mr. J. Allmark, Extra Assistant Conservator of Forests, 2½ months from the 8th April 1893. Mr. F. W. Thellusson, Deputy Conservator of Forests, was granted 15 months' furlough from the 10th August 1892. Mr. H. Slade, Deputy Conservator of Forests, on return from furlough joined the circle on the 7th November 1892. Mr. H Carter, Assistant Conservator of Forests, took privilege leave on the 3rd November 1892, but this was subsequently commuted into leave on medical certificate. Mr. G. R. Long, Assistant Conservator of Forests, was transferred to the Tenasserim Circle in November 1892. Mr. F. Ryan was appointed Extra Assistant Conservator of Forests on probation from the 4th January 1893.

Comparative cost of establishment.

72. The following statement shows the cost of permanent and temporary establishment during the financial year compared with the cost during the previous year:—

Division.	1891-92.		1892-93.			
	Cost of permanent establishment.	Cost of temporary establishment.	Sanctioned permanent establishment.	Sanctioned temporary establishment.	Actual cost of permanent establishment.	Actual cost of temporary establishment.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Thayetmyo ...	8,084	4,620	5,520	3,828	4,541	8,412
Prome ...	8,166	4,397	8,302	1,416	7,482	1,860
Thamawaddy ...	10,418	2,738	11,367	3,872	9,721	2,940
Rangoon ...	10,124	2,664	11,460	2,304	10,648	1,954
Toungoo ...	8,437	2,250	10,554	2,142	9,648	2,024
Shwegyin ...	5,563	1,580	6,372	1,902	5,597	1,678
Western ...	4,845	2,954	6,945	3,024	6,010	2,997
Agency ...	24,829	10,758	24,144	9,228	21,307	8,060
Total ...	75,461	31,951	84,604	27,216	74,944	24,425

Alterations in rules.

73. Notification No. 200, dated the 20th June 1892, Nos. 327 and 328, dated the 14th October 1892, provided for the enhancement of duty on pyinkado timber from the 1st January 1893.

Notification No. 332, dated the 14th October 1892, prescribed procedure for the disposal of minor forest produce other than cutch, wood-oil, and resin.

Notification No. 429, dated the 1st December 1892, and Notification No. 430 of the same date, provided for payment on firewood brought into certain large towns or used in railways, steam-launches, and brickmaking.

Notification No. 127, dated the 15th April 1893, raised the fee on licenses to manufacture bark extracts to Rs. 60.

Notification No. 203, dated the 9th June 1893 provided a form of bond to be entered into by license-holders in cases where such bonds are necessary or expedient.

Elephants.

74. The year opened with 38 elephants; none were purchased, and none died. The average monthly cost was Rs. 40-12-2.

Launch *Forester*.

75. The launch was employed 73 days or 873 hours under steam; she earned Rs. 273-8-0 against an expenditure of Rs. 3,689-1-1.

Collection of seeds and specimens.

76. Teak seed was supplied to the Tenasserim and Eastern Circles, to the Deputy Conservator of Forests, Coorg, to the Conservator of Forests, Hyderabad Assigned Districts, and to the Agent, Junagadh State.

Specimens of cutch, fibres, wood, and bamboos were collected for the Imperial Institute, and specimens of bamboos for the Chicago Exhibition.

Teak-wood market in Europe.

77. The course of the Europe markets has been one of disappointment to shippers during the period under review. Prices which ruled at about £10-10 to £11 in the early months of 1892, declined to £9 to £10. The demand for teak for ship building and for railway carriage construction was contracted. Planks were sold at from £9 to £10-10. The continental demand for teak has again increased, being fully 33 per cent. of the shipments to Europe as compared with 25 per cent. in the previous year. France bought largely for naval purposes and there was the usual demand for Germany, Italy, Holland, Belgium, and Spain. There was no increase in the quantity of teak shipped to Europe from Siam, although the floating season 1892-93 was a favourable one and fully 70,000 logs reached Bangkok during the year.

Indian teak market.

78. The advance recorded in the last report was not of long duration, and timber not moving off freely in the selling markets, prices have declined again to about Rs. 65 to Rs. 70 for selected Indian squares and Rs. 55 to Rs. 60 for an inferior class of timber.

Concluding remarks.

79. The writer of this report held charge of the circle during the whole of the period under report. The Conservator is satisfied with the work done and energy displayed by all officers. Nearly all the members of the Controlling staff suffered from fever contracted in the forest, but fortunately only one officer, Mr. H. Carter, was invalided. Mr. H. A. Hoghton was, however, transferred from the province altogether in consequence of fever and resulting deafness.

The executive and subordinate staff also suffered from fever, but have (with a few exceptions) done good work.

RANGOON:
The 28th September 1893.

P. J. CARTER,
Conservator of Forests, Pegu Circle.

APPENDICES

FORM NO. 46 [PRESCRIBED].—*Statement showing Area of Reserved Forests in the Tenasserim and Pegu Circles from 1st April 1892 to 30th June 1893.*

Division.	Range.	Civil district or territory.	Name of forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1893.		No. and date of notification of addition or transfer.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
TENASSERIM CIRCLE.											
West Salween ...	West Salween.	Salween	Wamuchaung	1,920	3	...	...	1,920	3		
			Sinzwè	8,960	14	...	...	8,960	14		
			Kahilu	9,600	15	...	...	9,600	15		
			Minnanwè	3,840	6	...	...	3,840	6		
			Mèwaing	7,360	12	...	...	7,360	12		
			Upper Mèthalauk	8,960	14	...	...	8,960	14		
			Lower Mèthalauk	3,840	6	...	...	3,840	6		
		Shwegyin	Bilakatkyi	8,320	13	...	...	8,320	13		
			Onkangyi	8,320	13	...	...	8,320	13		
		Amherst ...	Tagèlaung	5,120	8	...	...	5,120	8		
		Salween	Pachaung	25,600	40	...	...	25,600	40		
			Dagwin	6,400	10	...	...	6,400	10		
			Mèpalè (a)	81,920	128	9,280	...	91,200	143	Revenue Department Notification No. 323 (Forests), dated 30th September 1892, and No. 61 (Forests), dated 22nd February 1893.	(a) Includes Mèpalè, Kamawkala, East Mèpalè, Methawe, and Mèpalè-Thaungyin extension.
			Thaungyin								
Salween-Attaran	East Salween.	Amherst	Kyaukket	12,160	19	...	...	12,160	19		
			Mègala	6,400	10	...	...	6,400	10		
			Winsaw	6,400	10	...	...	6,400	10		
			Mekkanè	17,280	27	...	...	17,280	27		
			South Myawaddi	150	...	...	...	150	...		
			Onkaraing	33,920	53	...	...	33,920	53		
			Gawlè	37,120	58	...	...	37,120	58		
			Baledo	1,600	2	...	...	1,600	2		
			Yachaung	...	...	13,440	...	13,440	21	Revenue Department Notification No. 4 (Forests), dated 7th January 1893.	
			Tinyakaya	...	...	6,400	...	6,400	10		
			Kawkanu	...	...	3,200	...	3,200	5		
			Tipopalan	..	...	1,920	...	1,920	3		
			Winlôn	...	...	8,320	...	8,320	13		
	Attaran ...	Amherst	Dali	7,680	12	...	...	7,680	12		
			Pakabo	20,480	32	...	...	20,480	32		
			Natchaung	5,760	9	...	...	5,760	9		
			Gôngyi	27,520	43	...	...	27,520	43		
			Ma-u	8,960	14	...	...	8,960	14		
			Megwa	12,160	19	...	...	12,160	19		
			Thingannyinaung	5,760	9	...	...	5,760	9		
			Kyunchaung	10,880	17	...	...	10,880	17		
			Ye	202,880	317	...	...	202,880	317		
South Tenasserim...	Tavoy-Mergui.	Tavoy-Mergui	Mintha	64,000	100	...	...	64,000	100		
			Kaleinaung	294,400	460	...	...	294,400	460		
			Ngawunchaung	192,000	300	...	...	192,000	300		
Kado ...	Kado ...	Shwegun ...	Kyakatchaung	11,520	18	...	...	11,520	18		
			Total ...	1,159,190	1,811	42,560	...	1,201,750	1,878		

PEGU CIRCLE.

Thayetmyo ...	Thayedè ...	Thayetmyo ...	Tindaw	2,880	5	...	...	2,880	5	.....	Cutch reserve.
			Satsuwa	4,800	7	...	...	4,800	7	.....	
			East Yoma	71,680	112	...	...	71,680	112		
	Kama ...	ditto ...	Saingdo	1,216	2	...	...	1,216	2		
			Thabala	6,080	9	...	...	6,080	9		
			Mindôn Yoma	166,400	260	...	...	166,400	260		
			Ngawet	3,200	5	...	...	3,200	5		
	Minhla ...	ditto ...	Kyaukletkya	...	...	10,880	...	10,880	17	No. 413-F., dated 21st November 1892.	Cutch reserve.
	Sinbaung-wè.	ditto ...	Ônhesan	...	...	5,760	...	5,760	9	No. 245-F., dated 19th August 1892.	
			Sinmadaung	...	...	7,680	...	7,680	12	No. 19-F., dated 20th January 1893.	
			Thigôn	...	...	14,080	...	14,080	22	No. 18-F., dated 20th January 1893.	
			Total Thayetmyo division ...	256,256	400	38,400	...	294,656	460		
Prome ...	Nawin ...	Prome ...	North Nawin	...	...	...	...	38,268	60	.....	Includes Karen area of 8,750·6 acres or 14 square miles.
			South Nawin	136,774	214	...	2,182	61,772	97	.....	Includes 15,564·2 acres or 24 square miles of Karen area.
			Chaungzauk	...	...	...	...	34,552	54		
			Thayetchaung and Nyaungbin-det.	5,286	8	...	...	5,286	8		
	Shwele	Prome ...	Tônve	13,625	21	...	...	13,625	21		
			Pauktaw	4,556	7	...	...	4,556	7		
			Sinmiswè	7,219	11	...	...	7,219	11		
			Shwekyundaw	256	1	...	...	256	1		
			Prome plantation	73				73			
			Shwele Working circle ...	67,807	106	5,682	...	73,489	115	.....	Includes 7,750·4 acres or 12 square miles of Karen area.
		Prome and Tharrawaddy.	Tayôkmaw and Inma ...	24,576	38	...	...	24,576	38		
			Total Prome division ...	260,172	407	5,682	2,182	263,672	412		
			Karen area ...	35,200	55	...	3,135	32,065	50		
			Total area free of taungya privileges.	224,972	352	6,635	...	231,607	362	.....	Rectification of area.
Tharrawaddy ...	Bawbin ...	Tharrawaddy ...	Taungnyo	107,169	167	...	...	107,169	167	.....	Includes Karen area of 44·02 square miles.
			Minbu-Bawbin	83,331	130	...	...	83,331	130	.....	Includes 35·66 square miles of Karen area.
			Thitcho	2,970	5	...	...	2,970	5		
			Kangyi	4,896	8	...	...	4,896	8		
			Myodwin	38	...	...	...	38	...		
			Chaungzauk	3,454	5	...	...	3,454	5		
	Gamôn ...	ditto ...	Gamôn	47,757	75	...	...	47,757	75	.....	Includes Karen area of 29·31 square miles.
			Taung	14,016	22	...	...	14,016	22	.....	Includes Karen area of 8·43 square miles.
			Minhla	25,453	40	...	...	25,453	40	.....	Includes Karen area of 6·43 square miles.
			Taukkyan	3,138	5	...	...	3,138	5		
			Thakolan	1,134	2	...	...	1,134	2		
			Chaungnagôn	350	1	...	...	350	1		
			Satpôk	5,356	8	...	...	5,356	8		
			Carried over ...	299,062	468	...	...	299,062	468		

FORM NO. 46 [PRESCRIBED].—*Statement showing Area of Reserved Forests in the Tenasserim and Pegu Circles from 1st April 1892 to 30th June 1893* —concluded.

Division.	Range.	Civil district or territory.	Name of forest	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 1st March 1893.		No. and date of notification of addition or transfer.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
			Brought forward ...	299,062	468	...	...	299,062	468		
Tharrawaddy —*concluded.*	Bilin ...	Tharrawaddy	Mokka	22,406	35	...	...	22,406	35	.....	Includes Karen area of 10·28 square miles.
			Kadin-Bilin	53,363	83	...	...	53,363	83	.....	Includes Karen area of 21·33 square miles.
			Kôn-Bilin	15,987	25	...	...	15,987	25		
			Thônzè	69,734	109	...	...	69,734	109	.....	Includes Karen area of 14·80 square miles.
			Sitkwin	2,837	4	...	..	2,837	4		
			Thindawyo	6,551	10	...	...	6,551	10		
			Total Tharrawaddy division ...	469,940	734	...	...	469,940	734		
			Karen area ...	109,606	171	...	...	109,606	171		
			Total area free of taungya privileges ...	360,334	563	...	...	360,334	563		
Rangoon ...	Kinbadi ...	Hanthawaddy	Ôkkan	80,000	125	.	...	80,000	125	... ..	Includes Karen area of 13 square miles.
			Magayi	12,800	20	...	...	12,800	20		
	Hlaing ...	ditto	Hlaing Yoma	59,520	93	...	...	59,520	93		
			Thabyu	8,000	13	...	...	8,000	13	.....	Fuel reserve.
			Thitpyat	1,280	2	...	..	1,280	2	.....	ditto.
			Kyunchaung	8,440	13	...	...	8,440	13	.....	ditto.
			Wanetchaung	4,750	7	...	...	4,750	7		
			Hmawbi	1,846	3	...	...	1,846	3	.....	ditto.
	Paunglin ..	ditto ...	Kyetpyugan	940	1	...	...	940	1		
	ditto ...	Pegu .	Paunglin	68,480	107	...	...	68,480	107	.....	Includes Karen area of 7 square miles.
	Zamayi ...	ditto	Letpan	10,880	17	...	...	10,880	17		
			Kadat	64,000	100	...	...	64,000	100		
			Lower Zamayi	113,280	177	...	...	113,280	177	.....	Includes Karen area of 18·5 square miles.
	ditto ...	ditto	Pyinbôngyi	...	...	8,320	...	8,320	13		
			Pyinma	...	...	19,200	...	19,200	30		
	ditto ...	Tharrawaddy ...	Upper Zamayi	145,920	228	.	...	145,920	228	.....	Includes Karen area of 88·5 square miles.
			Total Rangoon division ...	580,136	906	27,520	...	607,656	949		
			Karen area ...	81,280	127	...	...	81,280	127		
			Total area free of taungya privileges	498,856	779	27,520	...	526,376	822		

Toungoo ...	Thagaya ...	Toungoo ...	Kyaukmasin	20,480	32	...	...	20,480	32	
			Saing-Yanè	70,741	110	...	...	70,741	110	
			East Swa	17,280	27	...	...	17,280	27	
			Lônyan	10,880	17	...	...	10,880	17	
			Sabyin	26,240	41	...	...	26,240	41	
			West Swa	38,400	60	...	...	38,400	60	
			Myohla	12,160	19	...	...	12,160	19	
			Kyungôn	2,560	4	...	...	2,560	4	
			Yetkanzin	7,680	12	...	...	7,680	12	
			Gwethè	33,280	52	...	...	33,280	52	
			Kabaung	220,800	345	...	...	220,800	345	... Includes Karen area of 65·5 square miles.
			Bôndaung	25,600	40	...	...	25,600	40	
	Zeyawadi	ditto	Pyuchaung	59,520	93	...	...	59,520	93	... Includes Karen area of 30 square miles.
			Nyahngkyidauk	2,240	4	...	...	2,240	4	
			Kanyutkwin	12,800	20	...	...	12,800	20	
	Bônmadi ...	ditto	Kanni	280	6	...	...	280	6	
			Pyunchaung	3,400		...	...	3,400		
			Gônwè	6,400	10	...	...	6,400	10	
			Thandaung	12,025	19	...	...	12,025	19	
			Total Toungoo division ...	582,766	911	...	...	582,766	911	
			Karen area ...	61,120	95	...	...	61,120	95	
			Total area free of taungya privileges.	521,646	816	...	...	521,646	816	
Shwegyin ...	Bawm ...	Shwegyin	Tôngan	20,480	32	...	...	20,480	32	
			Upper Kanyinmyaung ...	8,320	13	...	...	8,320	13	
			Lower Kanyinmyaung ...	28,800	45	...	...	28,800	45	
			Yônwè	160,000	250	...	...	160,000	250	
			Nyabwa	56,320	88	...	...	56,320	88	
	Kyaukkyi ...	ditto	Binbye	6,400	10	...	...	6,400	10	
	Sittang ...	ditto	Kyundaung	4,800	7	...	...	4,800	7	
			Total Shwegyin division ...	285,120	446	...	...	285,120	445	
Total Pegu Circle.	...		(a) Area free of taungya privileges	2,147,184	3,355	72,555	...	2,219,739	3,468	
			(b) Karen area	287,006	449	...	3,135	284,071	444	
			(c) Total area	2,434,190	3,804	71,602	2,182	2,503,810	3,912	
Total Tenasserim Circle.	...		(a) Area free of taungya privileges	1,151,510	1,799	42,560	...	1,194,070	1,866	
			(b) Karen area	7,680	12	...	...	7,680	12	
			(c) Total area	1,159,190	1,811	42,560	...	1,201,750	1,878	
Grand Total Lower Burma.	...		(a) Area free of taungya privileges	3,298,694	5,154	115,115	...	3,413,809	5,334	
			(b) Karen area	294,836	461	...	3,135	291,751	455	
			(c) Total area	3,593,530	5,615	114,162	2,182	3,705,560	5,790	

FORM No. 47.—*Statement showing the Progress made in, and the Expenditure incurred on, Forest Settlements in the Tenasserim and Pegu Circles from 1st April 1892 to 30th June 1893.*

Division.	Civil district or territory.	Area already settled at commencement of the year.	Areas finally settled during the year.						Areas undergoing settlement.					
			Number and date of Government order according final sanction to settlement.	Name of forest settled.	Area in square miles.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.	At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on area at undergoing settlement.	
						In forest accounts.	In other accounts.		Name of tract.	Area in square miles.	Name of tract.	Area in square miles.	In forest accounts.	In other accounts.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		Sq. m.				Rs.	Rs.	Rs.					Rs.	Rs.
TENASSERIM CIRCLE.														
Salween-Attaran ...	Amherst ...	779	No. 4, dated 7th January 1893 ..	Yachaung	21	Nil.	...	...	Nil.	...	Nil	...	...	Nil.
				Tinya kauve ..	10									
				Kawkaun	5									
				Tipopalan	3									
				Wintôn	13									
			No. 323, dated 30th September 1892 ...	Mepalè	14½									
				Thaungvin										
				Extension										
	Total ...	779	.....	.....	66½	..	Nil	...	Nil.	..	Nil.	..	...	Nil.
PEGU CIRCLE.														
Thayetmyo ...	Thayetmyo ...	400	No. 245F., dated 19th August 1892 ..	Ônhesan	9	...	...	..	Panichaung ...	45	...	...	245	..
			No. 413F., dated 1st December 1892 ...	Kyaukletgya	17	314	..	18	Shandat ...	55	...	..	407	...
			No. 18F., dated 20th January 1893 ...	Thègôn	22	...	.		.....	...	.....	...		...
			No. 19F., dated 20th January 1893 ...	Sinmadaung	12	30	.	2	....	...	.....	...	...	...
	Total ...	400		.....	60	344		...	.....	100	.....		652	...
Prome ...	Prome ...	412	..	.....	...	.	...	...	.....	...	.....	...	...	...
Tharrawaddy ...	Tharrawaddy ...	734	.....	....	..		.	...	.....	..	Myolè ..	4	...	...
Rangoon ...	Pegu ...	909	No. 119F., dated 7th April 1892 ...	Pyinbôngyi	13		...		Kodugwè ..	43	.....	...	276	...
			No. 35F., dated 28th January 1893 ...	Pyinma	30	279	...	...	.....	...	...	...	..	...
	Total ...	900	.....	.....	43	...	...	.	... ..	43	.....	..	279	...
Toungoo ...	Toungoo ..	911	.....	.....	.	...	...	..	.....	...	.....	...	...	...
Shwegyin ...	Shwegyin ...	445	.....	.. ...	..		...	...	Wun-pein ..	106	.....	.	7	..
									Zaba-Kawliya ...	156	.....		8	...
											Aingdôn-Kun .	315	.	...
	Total ..	445	.....	.....	..	...	...	...	.... .	262	. ....	315	15	
Western ...	Henzada ...		.....	.....	.	...	.		Myanaung ...	280	. ...	...	13	.
	Total Pegu Circle ...	3,809	.....	....	103	...	...	...	.. ...	685	.....	319	959	.
	TOTAL LOWER BURMA.	4,588	.....	.....	169	623		...	.... .	685	. . ..	319	959	. .

FORM NO. 48.—*Statement showing Record of Demarcation and Maintenance of Boundaries in the Tenasserim and Pegu Circles for the year 1892-93.*

Division.	Length of boundaries artificially demarcated during the year	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired	Total length of artificially marked boundaries at the close of the year	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new work	Expenditure on demarcation during the year. On repairs.	Remarks
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles	Miles	Miles	Miles.	Miles.	Miles	Rs	Rs	
TENASSERIM CIRCLE.										
West Salween	...	...	210½	47½	.	162½	210½	...	..	
Salween-Attaran	56	...	459	515	32	72	619*	588	369	* Seventy-two miles high ranges not required to be demarcated
Kado	..	...	30	30	..		30		..	One hundred and nineteen miles fully demarcated with boards and boundary pillars five to the mile.
South Tenasserim	..	..	50	50	...	177	227	..	...	Ninety-three miles natural river boundary only requiring boards
TOTAL ...	56		749½	642½	32	411½	1,086½	588	369	One hundred and ninety-nine miles boards only, no pillars yet erected.
PEGU CIRCLE.										One hundred and four miles boards and pillars at salient points.
Thayetmyo	36	32	76	144	3	65	212	187	10	Thirty-two miles awaiting demarcation.
Prome		47	270	317	.	33	250	...	340	
Tharrawaddy		270	224	494	...	104	598	...	981	
Rangoon	...	68	108	176	15	516	707	...	132	
Toungoo	28	119	463	610	34	149	793	280	536	
Shwegyin	..	...	230	230	..	...	230	1,000	...	
TOTAL ...	64	536	1,371	1,971	52	867	2,890	1,417	2,008	
TOTAL LOWER BURMA	120	536	2,120	2,614	84	1,278	3,976	2,005	2,377	

FORM NO. 49.—*Statement showing Forest Areas Surveyed and under Survey in the Tenasserim and Pegu Circles from 1st April 1892 to 30th June 1893.*

18[illegible] Division.	Areas surveyed and under survey during the year.																								Areas remaining to be taken under survey.	Total forest area at end of the year as per Form No. 46.	Cost.		Entire cost of all surveys to end of the year.	Remarks.
	Special surveys—maps on 4-inch scale or over by survey of India Department or Forest Survey Branch.								Ordinary, included in district surveys.								Chain and compass or other survey by local officers.													
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.			With interior details.					Boundary surveys.							
	With details of growing stock.		Without details of growing stock.						With details of growing stock.		Without details of growing stock						Four inch or over.		Under 4-inch.											
	Previous.	Of the year.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Previous.	Of the year.	Total cost.	Previous.	Of the year.	Total cost.			Previous.	Of the year.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	S. m.	S. m.	S. m.	S. m.	Rs.	S. m.	S. m.	Rs.	S. m.	S. m.	S. m.	S. m.						S. m.	S. m.	S. m.	Rs.	S. m.	S. m.	Rs.	S. m.	S. m.	Rs.	Rs.	Rs.	
TENASSERIM CIRCLE.																														
Salween-Attaran and Thaungyin Valley.	...	...	128	88	...	...	Nil.	...	...	...	Nil	...	...	..	Nil	...	...	...	Nil	...	...	...	Nil	...	762 (a)	378 (a)	44,508	13,991 (b)	...	(a) In the Thaungyin Valley only. (b) Expenditure up to 30th June 1893.
PEGU CIRCLE.																														
Thayetmyo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	460	460	...	...	...	
Prome	...	...	364	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48	412	...	...	...	
Tharrawaddy ...	...	...	686	...	...	...	...	...	...	...	36	...	...	...	...	...	...	...	...	...	...	...	...	...	12	734	...	...	...	
Rangoon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	949	949	...	...	...	
Toungoo	...	...	385	213	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	312	911	...	...	...	
Shwegyin	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	..	9	3	445	445	...	...	...	
Western	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	
Total Pegu Circle ...	..	..	1,435	213	...	...	...	...	...	...	*36	...	..	...	...	...	...	...	...	...	...	...	9	3	2,227	3,911	...	53,195	...	
GRAND TOTAL LOWER BURMA	...	...	1,563	301	...	...	...	...	...	...	36	...	...	...	...	...	...	...	...	...	...	...	9	3	2,389	4,232	..	67,186	...	

FORM NO. 50.—*Statement showing Progress made in Working Plans in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

Division.	Areas for which working plans have been completed.		Areas for which working plans are being compiled.		Areas for which working plans have still to be taken in hand.	Total forest area as in Form No. 46.	Entire cost per square mile of working plans completed.	Remarks.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	
West Salween	...	...	...	...	297	297	...	
Salween-Attaran	...	...	...	...	703	703	...	
Kado	...	...	...	...	18	18	...	
South Tenasserim	...	...	...	...	860	860	...	
Total ...	...	...	...	...	1,878	1,878	...	

FORM NO. 50.—*Statement showing Progress made in Working Plans in the Pegu Circle from 1st April 1892 to 30th June 1893.*

Division.	Areas for which working plans have been completed.		Areas for which working plans are being compiled.		Areas for which working plans have still to be taken in hand.	Total forest area as in Form No. 46.	Entire cost per square mile of working plans completed.	Remarks.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.				
1	2	3	4	5	6	7	8	9
	Sq ms.	Sq. ms	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	
Thayetmyo	...	...	...	...	460	460	...	
Prome	325	...	...	...	87	412	91	
Tharrawaddy	686	8	...	...	40	734	116	
Rangoon	...	...	...	...	949	949	...	
Toungoo	...	...	345	40	526	911	...	
Shwegyin	...	...	...	...	445	445	...	
Western	...	...	...	...	...	...	...	
TOTAL ...	1,011	8	345	40	2,507	3,911	108	

FORM NO. 51.—*Statement showing Communications and Buildings in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

	New work undertaken during the year.						Repairs executed during the year.					
	Buildings.		*Roads and paths.*				*Buildings.*		*Roads and paths.*			
Division.	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new works.	Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	Total expenditure on repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.	
Salween-Attaran	Two rest houses	112	.....	...	...	...							
	Three temporary huts ...	23	.....	...	...	...	Roofing Mèpalè rest-house	18	.....	...	...	18	
	Total ...	135		...	...	135							
Kado...	Two guard-houses at Mèzeik ...	50	.....	...	...	150	Lower guard-house, Kado	12	.....	...	...	...	
							Painting and repairing Kado Forest office ...	77	.....	...	...	...	
							Repairing kitchen and store-house, Kado ...	698	.....	...	...	...	
							Repairing latrine	50	.....	...	...	...	
							Repairing roof of Mèzeik and Kamamaung guard-houses.	60	.....	...	...	...	
							Repairing roof of Kamamaung bungalow ...	87	.....	...	...	...	
							Total	964		...	...	964	
Agency	.....	...	Extension of timber slip at Battery Point.	Ft. 105 × Ft. 25	900	900	Repairs to Central Forest office ...	11	Repairs to old portion of slip at Battery Point.	...	78	...	
							Extension of Nanlè revenue station ...	57	.....	...	...	...	
							Re-roofing paddy-shed, Battery Point ...	51	.....	...	...	...	
							Total ...	119		...	78	197	
South Tenasserim.	Firewood check station at junction of Siam and Thayetchaung roads.	125	.....	...	...	...	Re-roofing Mergui plantation bungalow ...	22	.....	...	...	...	
	New boat-shed at Sinzeik, Tavoy.	19	.....	...	...	...	Repairing Mergui forest bungalow ...	60	.....	...	...	...	
	Total ...	144		...	...	144	Total ..	82		...	...	82	
	Total TENASSERIM CIRCLE ...	329	.....	...	900	1,229	.....	1,183	.....	...	78	1,261	

FORM NO. 51.—*Statement showing Communications and Buildings in the Pegu Circle from 1st April 1892 to 30th June 1893.*

Division.	New work undertaken during the year. Buildings. Description of building.	Expenditure incurred.	Roads and paths. Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new works.	Repairs executed during the year. Buildings. Nature of repairs.	Expenditure incurred.	Roads and paths. Nature of repairs.	Length repaired.	Expenditure incurred.	Total expenditure on repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.	
							Forest Bungalow.						
Thayetmyo	.....	...	.....	...	...	...	Concreting lower floor	119	.....	..	...	...	
	.....	...	.....	...	...	...	Earth oiling	35	.....	...	...	...	
	.....	...	.....	...	...	...	Renewal of walling, doors, and glass panes ...	43	.....	...	...	...	
	.....	...	.....	...	...	...	Petty repairs to out-houses	2	.....	...	...	...	
	.....	...	.....	...	...	...	Petty repairs to a rest-house (a)	20	.....	...	...	...	(a) At Tundaw.
		...		...	...	...	Total ...	209		...	...	209	
Prome.	.....	...	.....	...	...	...	Repairs to out-houses of bungalow at Prome ...	283	.....	...	...	...	
	.....	...	.....	...	...	...	Repairs to Panngdè bungalow	10	.....	..	...	...	
	.....	...	.....	...	...	...	Usual repairs to five rest-houses (b)	134	.....	...	...	...	(b) Kadinmasin, Taunglè, Themè, Kwingyi, and Taungamauk.
	.....	...	.....	...	...	...	Usual repairs to elephant-shed and attendant's quarters.	86	.....	...	...	...	
		...		...	...	.	Total ...	513		..	...	513	
							Forest Bungalow.						
Tharrawaddy.	.....	...	.....	...	...	...	Earth-oiling and painting	216	.....	...	...	...	
							Forest Office.						
	.....	...	.....	...	...	...	Enlarging and earth-oiling	405	Pathway from We to Ngalawa in Kangyi reserve.	1	1	...	
	.....	...	.....	...	...	...	General repairs to eight rest-houses (c) ...	262		...	...	...	(c) Wè, Sewa, Kangyi, Hmaw-in, Kunzan, Bawbin, Nyasiè, and Kyaungwa.
		...		...	...	...	Total ...	883		...	1	884	
Rangoon.	.....	...	.....	...	...	...	Earth-oiling Pegu bungalow	105	Laterite-metalling of Palôn-Kinbadi road.	5	122	...	(d) Taikkyi, Hlègu, and Pegu.
	.....	...	.....	...	...	...	Earth-oiling and renewing the thatch of three revenue stations. (d)	83					
	.....	...	.....	...	...	...	Earth-oiling and renewing the thatch of two rest-houses. (e)	354					(e) Palôn and Kinbadi.
		...	.....	...	...	...	Total ..	542	.....	5	122	664	

FORM NO. 51.—*Statement showing Communications and Buildings in the Pegu Circle from 1st April 1892 to 30th June 1893*—concluded.

Division.	New work undertaken during the year. Buildings. Description of building.	Expenditure incurred.	Roads and paths. Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new works.	Repairs executed during the year. Buildings. Nature of repairs.	Expenditure incurred.	Roads and paths. Nature of repairs.	Length repaired.	Expenditure incurred.	Total expenditure on repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.	
Toungoo.	One well sunk in the bungalow compound. 7,394	330	.....	...	...	330	*Toungoo Bungalow.* Painting rooms and minor repairs	17	Repairing a pathway in Kabaung reserve.	7	15	...	
	.....	...	.....	...	...	...	Servants' quarters	84	.....	...	...	...	
	.....	...	.....	...	...	...	Fencing of compound	110	.....	...	...	...	
							Forest Office.						
	.....	...	.....	...	...	...	Petty repairs	1	.....	...	...	...	
	.....	...	.....	...	...	...	Re-roofing and general repairs to seven rest-houses (a).	352	.....	...	...	...	(a) Tabetkwe, Zibyubin, Banbwebin, Minyè, Pyunchaung, Chaungmangè, and depôt house.
		330		...	...	330		723	.....	7	15	738	
Shwegyin.	One officer's bungalow ...	6,735	.....	...	...	6,735	Petty repairs to a rest-house	2	.....	...	...	2	
Western.	.....	...	.....	...	...	...	Re-thatching elephant-shed and depôt at Bassein.	91	.....	...	...	91	
Agency.	.....	...	.....	...	...	...	Renewal of thatch on two bungalows (b) and out-houses.	300	Depôt roads	...	83	...	(b) Depôt Officers and Overseer's quarters.
	.....	...	.....	...	...	...	Renewal of thatch on elephant-shed ...	300	.....	...	...	...	
	.....	...	.....	...	...	...	Renewal of thatch on mahouts' quarters ...	330	.....	...	...	...	
	.....	...	.....	...	...	...	Renewal of thatch on boat-shed	90	.....	...	...	...	
	.....	...	.....	...	...	...	Renewal of thatch on seven guard-houses ...	1,596	.....	...	...	...	
	TOTAL ...			...	...	...		2,616	.....	...	83	2,699	
	TOTAL PEGU CIRCLE ...	7,065	.....	...	...	7,065	.....	5,579	.....	...	221	5,800	
	GRAND TOTAL LOWER BURMA...	7,394	.....	...	900	8,294	.....	6,762	.....	...	299	7,061	

FORM NO. 52 [PRESCRIBED].—*Statement showing Prosecutions for Breaches of Forests Rules in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

Division.		Cases pending from 1891-92.	New cases of the year.						Disposed of during the year.						Cases pending at close of year.	Remarks.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Convictions.		Acquittals.		Total.			
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Western Salween ...	A ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	B ...	...	...	2	...	...	2	2	2	2	...	...	2	2	...	
	C ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total ...		...	...	2	...	...	2	2	2	2	...	...	2	2	...	
Salween-Attaran ...	A ...	...	...	16	...	1	17	17	15	16	2	8	17	24	...	
	B ...	...	...	122	5	...	127	127	127	145	...	...	127	145	...	
	C ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total ...		...	...	138	5	1	144	144	142	161	2	8	144	169	...	
Kado ...	A ...	...	...	2	...	155	157	157	156	174	1	1	157	175	...	
	B ...	...	...	26	...	13	39	39	39	39	...	...	39	39	...	
	C ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total ...		...	...	28	...	168	196	196	195	213	1	1	196	214	...	
South Tenasserim ...	A ...	...	...	20	...	...	20	20	14	19	6	7	20	26	...	
	B ...	...	...	71	...	...	71	71	71	74	...	...	71	74	...	
	C ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total ...		...	...	91	...	...	91	91	85	93	6	7	91	100	...	
GRAND TOTAL ...		...	...	259	5	169	433	433	424	469	9	16	433	485	...	

Two hundred and thirty-nine cases were compounded under Rule 66 of the forest rules; Rs.3,782 were paid as compensation.

A—Cases prosecuted before Magistrates. | B—Cases compounded. | C—Cases undetected.

FORM NO. 52 [PRESCRIBED.]—*Statement showing Prosecutions for Breaches of Forest Rules in the Pegu Circle for the year 1892-93.*

Division.		Cases pending from 1891-92.	New cases of the year. Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons	Cases pending at close of year.	Remarks.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Thayetmyo	A	...	...	225	...	...	225	225	199	257	26	28	225	285	...	
	B	...	...	431	1	...	432	432	432	455	...	...	432	455	...	
	C	...	1	...	...	...	1	...	...	...	...	...	...	...	...	
		...	1	656	1	...	658	657	631	712	26	28	657	740	...	
Prome	A	...	...	57	...	...	57	57	54	54	1	1	55	55	...	Two men absconded.
	B	11	1	480	...	2	483	494	444	444	...	...	444	444	50*	* Five men died, seven men absconded, one man imprisoned for another offence.
	C	...	...	...	...	...	...		...	...	...	...	...	...	...	
		11	1	537	...	2	540	551	498	498	1	1	499	499	50	
Tharrawaddy	A	1	1	10	...	1	12	13	9	17	3	8	12	25	1	
	B	31	1	101	1	30	133	164	143	282	...	...	143	282	21	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		32	2	111	1	31	145	177	152	299	3	8	155	307	22	
Rangoon	A	...	...	1	...	1	2	2	...	...	...	...	...	...	2	
	B	...	...	23	...	4	27	27	27	28	...	...	27	28	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		...	...	24	...	5	29	29	27	28	...	...	27	28	2	
Toungoo	A	...	...	8	...	...	8	8	3	3	...	...	3	3	5	
	B	...	...	41	...	7	48	48	47	71	...	...	47	71	1	
	C	...	...	4	...	...	4	...	...	...	...	...	...	...	...	
		...	...	53	...	7	60	56	50	74	...	...	50	74	6	
Shwegyin	A	...	...	19	...	...	19	19	14	14	1	1	15	15	4	
	B	...	...	52	...	2	54	54	54	82	...	...	54	82	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		...	...	71	...	2	73	73	68	96	1	1	69	97	4	
Western	A	...	...	37	...	14	51	51	49	77	2	2	51	79	...	
	B	...	...	12	...	3	15	15	15	70	...	...	15	70	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		...	...	49	...	17	66	66	64	147	2	2	66	149	...	
Agency	A	...	...	...	...	...	...		...	...	...	...	...	...	...	
	B	...	...	1	...	18	19	19	19	19	...	...	19	19	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Grand Total Pegu Circle	A	1	1	357	...	16	374	375	328	422	33	40	361	462	12	
	B	42	2	1,141	2	66	1,211	1,253	1,181	1,451	...	...	1,181	1,451	72	
	C	...	1	4	...	...	5	...	...	...	...	...	...	...	...	
		43	4	1,502	2	82	1,590	1,628	1,509	1,873	33	40	1,542	1,913	84	
GRAND TOTAL LOWER BURMA		43	8	1,761	7	251	2,023	2,061	1,933	2,342	42	56	1,975	2,398	84	

A—Cases prosecuted before Magistrates. | B—Cases compounded. | C—Cases undetected.

FORM No. 53 [PRESCRIBED].—*Statement showing Area of Forest Tracts protected from Fire in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

Division.	Forest tract.	Year in which protection commenced.	Area protected during 1891-92.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
							Rs.	
West Salween	Sinzwe	1871	8,955	8,960	5	8,955	1,786	
	Wamu	1871	1,920	1,920	...	1,920	232	
	Kahilu	1878	2,560	2,560	...	2,560	76	
	Mèwaing	1877	7,360	7,360	...	7,360	531	
	Minnanwe	1878	3,840	3,840	...	3,840	...	
	Ôkangyi	1877	6,300	6,300	12	6,288	575	
	Bilakatkyi	1877	6,656	6,656	3	6,653	575	
	Tagèlaung	1885	3,072	3,072	...	3,072	575	
Salween-Attaran	West Mèpaie	1881	25,600	25,600	50	25,550	2,402	
	Methawe	1890	7,680	7,680	...	7,680		
	Kyunchaung	1880	7,600	10,880	...	10,880	2,767	
	Dali	1878	7,000	7,500	8	7,492		
	Natchaung	1883	1,800	1,800	...	1,800		
	Gôngyi	1889	...	20	...	20		
	Thinganyinaung	1890	258	820	...	820		
	Pakabo	1892	...	40	...	40		
	Total	...	99,593	95,008	78	94,930	9,519	

FORM NO: 53 [PRESCRIBED].—*Statement showing Area of Forest Tracts protected from Fire in the Pegu Circle from 1st April 1892 to 30th June 1893.*

Division.	Forest tract.	Year in which protection commenced.	Area protected during 1891-92.	Area attempted to be protected.	Failure	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
							Rs. A. P.	
Thayetmyo ...	Tindaw ...	1890	.	2,880	1,920	960	413 0 0	
	East Yoma ...	1892	17,920	17,920	...	17,920	310 0 0	
Prome	Prome plantation ...	1857	75	73	1	72	37 0 0	
	Chaungzauk reserve ...	1879	9,368	9,408	...	9,408	1,948 0 0	
	Bwet ...	1877	83,46			...	....	
	Gwedaukkwin ...	1886	4,008					
	Padinbin ...	1877	..	8,416	34	8,382	1,617 0 0	
	Kadinzauk ...	1877	...					
	Shabaung ...	1889	...					
	Kyaukgyidaung ...	1886	2,180	2,180	115	2,065	78 0 0	
	Padetmyaung ...	1886	..	4,008	2	4,006	893 0 0	
Tharrawaddy ...	Nyanlè ...	1877	5,039	5,050	1,813	3,237	825 0 0	Rs A. P. 0 4 1 per acre.
	Lower Pavagyi (Tauktè) ...	1888	3,408	3,408		3,408	668 0 0	0 3 2
	Bawbin and Tônthè ...	1869	2,225	2,225		2,225	329 0 0	0 1 9
	Gwedauksan ...	1876	285	285	...	285	91 0 0	0 5 1
	Kangyi ...	1877	4,914	4,914	27	4,887	800 0 0	0 2 7
	Mwodwin ...	1869	60	60	11	49	40 0 0	0 13 1
	Myaung ...	1876	1,860	1,860	..	1,860	340 0 0	0 2 11
	Minhla ...	1876	58,77	6,916	6,364	552	285 0 0	0 8 3
	Môkka ...	1873	13,152	20,242	7,600	12,642	966 0 0	0 1 3
	Kadin-Bilin ...	1873	10,289	10,289	...	10,289	289 0 0	0 0 6
	Kôn-Bilin ...	1876	4,381	4,381	.	4,381	216 0 0	0 11 0
	Thônzè ...	1876	16,841	16,841	805	16,036	916 0 0	0 11 0
Rangoon	Magayi ...	1872	3,367	3,367	..	3,367	1,103 0 0	
	Kyetpyugan ...	1868	940	940	..	940	737 0 0	
	Dawe ...	1883	31,238	31,238	2,880	28,358	75 0 0	
	Tedaw-Sinzwe ...	1886	9,600	9,600		9,600	200 0 0	
Toungoo	Saing-Yanè ...	1877	33,600	33,540	...	33,540	2,840 0 0	The difference of 3,933 acres between the area protected in 1892 and 1893 is only apparent not real, being due to rectification of area by accurate survey.
	East Swa ...	1883	17,280	17,280	...	17,280	1,164 0 0	
	Bôndaung ...	1884	10,843	8,480	...	8,480	807 9 0	
	Kabaung ...	1884	2,560	2,050	...	2,050	182 0 0	
	Pyunchaung ...	1877	3,440	3,440	...	3,440	449 0 0	
Shwegyin	Kyundaung ...	1890	3,840	3,840	...	3,840	144 0 0	
	Total Pegu Circle ...	...	2,26,936	2,35,131	21,572	2,13,559	19,452 0 0	
	GRAND TOTAL LOWER BURMA ...	..	3,17,529	3,30,139	21,650	3,08,489	28,971 0 0	

FORM NO. 54.—*Statement showing Area closed and open to Grazing in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

Division.	Area in square miles					Total area.	Remarks.
	Closed to all animals.		Closed to browsers (camels, goats, or sheep)		Open to all animals		
	Whole year	Part of year.	Whole year	Part of year	Whole year		
1	2	3	4	5	6	7	8
Reserved Forests							
Salween-Attaran	698	...	...	..	5	703	
West Salween	297		...	...	...	297	
Kado	18	...	..	..	...	18	
South Tenasserim	820	...	..	.	40	860	
Total Tenasserim Circle ..	1,833		...	.	45	1,878	

FORM NO. 54.—*Statement showing Area closed and open to Grazing in the Pegu Circle from 1st April 1892 to 30th June 1893.*

Division.	Area in square miles					Total area	Remarks.
	Closed to all animals.		Closed to browsers (camels, goats, or sheep).		Open to all animals		
	Whole year.	Part of year.	Whole year	Part of year.	Whole year		
1	2	3	4	5	6	7	8
Reserved Forests							
Thayetmyo	440	10	460	..	.	460	
Frome	373	38	412	..	...	412	
Tharrawaddy	673	4	734	...	...	734	
Rangoon	768	1	949	..	..	949	
Toungoo	854	14	911	...	..	911	
Shwegyin . . .	432	23	445	...	...	445	
Western	..		..		.	...	
Total Pegu Circle ..	3,540	90	3,912	..	...	3,912	
Grand Total Lower Burma	5,373	90	3,912	.	45	5,790	

FORM NO. 55.—*Statement showing Return of Grazing in State Forests in the Tenasserim and Pegu Circles from 1st April 1892 to 30th June 1893.*

Division.	GRAZING ON PAYMENT (NUMBER OF ANIMALS). At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.	At privileged rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received. Actuals.	Value at full rates.	GRAZING FREE (NUMBER OF ANIMALS). By right under settlement. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	During pleasure of Government, or otherwise than under settlement. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	Grand total of value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.						Rs. A. P.						Rs.	Rs.	Rs. A. P.
TENASSERIM CIRCLE.																											
South Tenasserim	64	...	...	...	...	16	...	...	...	...	...	...	...	40	...	7	...	7	18 12 0	...	...	...	...	...	...	...	34 12 0
PEGU CIRCLE.																											
Reserved Forests.																											
Thayetmyo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Prome	...	...	...	...	...	...	...	...	...	...	...	...	...	20	...	...	...	...	60 0 0	...	...	...	...	...	...	...	60 0 0
Tharrawaddy	93	113	...	...	...	90	...	...	...	...	...	...	...	247	121	...	...	...	922 0 0	...	...	...	...	...	...	...	1,012 0 0
Rangoon	229	730	...	...	...	297	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	297 0 0
Toungoo	...	...	...	...	...	...	...	...	...	...	...	...	...	409	313	...	...	...	1,410 0 0	...	...	...	...	...	...	...	1,410 0 0
Shwegyin	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Western	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	322	843	...	...		387	...	...	...	...	...	...	...	676	434	...	...	...	2,392 0 0	...	...	...	...	...	...	...	2,779 0 0
Protected Forests. *Nil.*																											
Unclassed Forests. *Nil.*																											

FORM NO. 56 [PRESCRIBED].—*Statement showing Area of Plantations in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

Division.	Name of plantation.	Area in acres				Receipts	Charges	Remarks.
		On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893.	of the year.		
1	2	3	4	5	6	7	8	9
	Regular Plantations.							
Salween-Attaran ...	Thingannyimaung	16	.....	.....	16	.....	.....	
Kado	Shwegun	5	·15	.....	5·15	.....	.....	
	Kolôn island	2	1·80	.....	3·80	.....	.....	
	Total ...	7	1·95	.....	8·95	.....	.....	
	Total Regular Plantations ...	23	1·95	.....	24·95	.....	.....	
	Cultural Operations.							
South Tenasserim ...	Mergui Experimental Plantation ...	111	.....	.....	111	40	999	
	Total ...	111	.....	.....	111	40	999	
	Total Regular Plantations ...	23	1·95	.....	24·95	.....	.....	
	Total Cultural Operations ...	111	.....	.....	111	40	999	
	Total Taungya Plantations ...	8,274	674	.....	8,948	.....	13,830	Two hundred and fifty-five acres struk out as containing less than 0·4 density of stock.
	Total ...	8,408	675·95	.....	9,083·95	40	14,829	

FORM NO. 56 [PRESCRIBED].—*Statement showing Area of Plantations in the Pegu Circle from 1st April 1892 to 30th June 1893.*

Division.	Name of plantation.	Area in acres. On 1st April 1892.	Added during the year.	Excluded during the year.	Area on 30th June 1893.	Receipts of the year.	Charges of the year.	Remarks.
1	2	3	4	5	6	7	8	9
	Regular plantations.							
Prome	Prome	73	.....	.....	73	.....	1	
Tharrawaddy	Bawbin	340	.....	.....	340	.....	579	
	Myodwin	10	.....	.....	10	.....	.....	
	Kywemakaing	144	.....	.....	144	.....	75	
	Total ...	494	.....	.....	494	.....	654	
Rangoon	Magayi	1,771	33	.....	1,804	.....	1,288	
	Kyetpyugôn	801	.....	.....	801	.....	745	
	Total ...	2,572	33	.....	2,605	.....	2,033	
Toungoo	Kanni	65	.....	.....	65	.....	.....	
	Pyuschaung	701	.....	.....	701	.....	.....	
	Yenè	9	.....	9	.....	.....	.....	These 9 acres cannot now be traced.
	Total ...	775	.....	9	766	.....	.....	
Arakan	Myauktaung	10	.....	.....	10	.....	.....	
	Total Regular Plantations ...	3,924	33	9	3,948	.....	2,688	
	Cultural Operations.							
Prome	Chaungzauk	.....	.....	.....	.....	.....	192	
	Kadinzauk	300	6	.....	306	.....	12	
	Bwet	600	11	.....	611	.....	576	
	Total ...	900	17	.....	917	.....	780	
Tharrawaddy	Pazingyè	125	.....	.....	125	.....	302	
	Nyanlè	830	.....	.....	830	.....	.....	
	Kangyi	350	.....	.....	350	.....	17	
	Môkka	800	.....	.....	800	.....	.....	
	Bilin	208	.....	.....	208	.....	17	
	Kôn-Bilin	150	35	.....	185	.....	1,818	
	Gamôn	21	.....	.....	21	...	.....	
	Minhla	.....	15	.....	15	.....	357	
	Thônzè	.....	.....	.....	.....	.....	775	
	Total ...	2,484	50	.....	2,534	.....	3,286	
Rangoon	Rangoon	.....	.....	.....	.....	.....	304	
	Zamayi	.....	.....	.....	.....	.....	298	
	Total ...	.....	.....	.....	.....	.....	602	
Toungoo ...	Bôndaung	.....	10	.....	10	.....	15	These are sowings of 1886, not shown in previous years.
	Total Cultural Operations ...	3,384	77	.....	3,461	.....	4,683	
	Total Regular Plantations ...	3,924	33	9	3,948	.....	2,688	
	Total Cultural Operations ...	3,384	77	.....	3,461	.....	4,683	
	Total Taungya Plantations ...	17,193	1,696	.....	18,889	.....	36,446	
	Total ...	24,501	1,806	9	26,298	.....	43,817	

FORM NO. 56A.—*Statement showing Taungya Teak Plantations in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

Division.	Name of reserve.	Year of formation.	Area on 1st April 1892.	Area* planted with teak, &c., during 1892-93.	Cost up to 1891-92. Original cost.	Cost up to 1891-92. Maintenance.	Cost during 1892-93. Original cost.	Cost during 1892-93. Maintenance.	Total cost	Average cost per acre up to 1892-93.	Area on 31st March 1893.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
			Acres.	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Rs.	
West Salween	Sinzwè	1869-70	1,837	256	9,103	8,773	2,026	1,806	21,708	10 5 11	2,093	
	Wamu	1877-78	55	...	270	146	..	...	416	7 9 0	55	
	Kahilu	1879-80	243	...	1,140	1,540	...	...	2,680	11 1 2	243	
	Ônkangyi	1877-78	1,345	54	5,102	2,566	378	734	8,780	6 4 5	1,399	
	Bilakatkyi	1877-78	806	...	2,376	1,333	...	394	4,103	5 1 5	806	
	Minnanwè	1877-78	113	...	436	115	...	...	551	4 14 0	113	
	Mewaing	1878-79	1,274	178	8,467	2,716	1,486	920	13,589	9 5 9	1,452	
	Tagèlaung	1889-90	394	2	1,733	544	22	480	2,779	7 0 3	396	
	Total	..	6,066	490	28,627	17,733	3,912	4,334	54,606	8 5 3	6,556	
Salween-Attaran	West Mèpale	1882-83	1,361	265	8,723	6,558	1,978	1,402	18,661	11 7 8	1,626	
	Methawe	1890-91	72		442	60	...	175	677	9 6 5	72	
	Dali	1877-78	296	65	1,435	726	372	289	2,822	7 13 1	361	
	Kyunchaung	1881-82	294	35	2,409	976	268	358	4,011	12 3 1	329	
	Pakabo	1883-84	3	24	11	7	115	...	133	4 14 9	27	
	Natchaung	1888-89	75	11	450	150	62	125	787	9 2 5	86	
	Gôngyi	1888-89	34	...	174	43	...	60	277	8 2 4	34	
	Thinganyinaung	1888-89	65	39	725	312	198	182	1,417	13 10 0	104	
	Total	...	2,200	439	14,369	8,832	2,993	2,591	28,785	10 14 6	2,639	
	Plantations other than Teak.											
West Salween	Kahilu	1883-84	6	...	35	14	...	...	49	8 2 8	6	
Salween-Attaran	Dali	1886-87	2	...	14	...	...	...	14	7 0 0	2	
	Total	...	8	...	49	14	..		63	7 14 0	8	
	GRAND TOTAL	...	8,274	929 (a)	43,045	26,579	6,905	6,925	83,454	9 1 1	9,203	

* Of this area 255 acres have been struck out, *vide* Form 56, as being less than a density of 0·4, and 674 acres have been retained.

FORM NO. 56A.—*Statement showing Taungya Teak, Cutch, &c., Plantations in the Pegu Circle from 1st April 1892 to 30th June 1893.*

Division.	Forest.	Area in acres. On 1st April 1892.	Added during the year.	Excluded.	Area on 30th June 1893.	Cost up to 1891-92. Original cost.	Maintenance.	Cost during 1892-93. Original cost	Maintenance.	Total.	Average cost per acre.
1	2	3	4	5	6	7	8	9	10	11	12
	Teak Taungyas.					Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
Prome	Chaungzauk	1,088	162	...	1,250	8,407	7,632	1,198	1,698	18,935	15 2 4
	Bwet	1,056	231	...	1,287	9,103	3,416	1,417	1,570	15,506	12 0 9
	Shwele Yoma	...	...	...	...	76	...	...	...	76	...
	Padetmyaung	54	...	...	54	375	127	...	119	621	11 8 0
	Kyaukgyidaung	10	...	...	10	84	20	...	41	145	14 8 0
	Total ...	2,208	393	...	2,601	18,045	11,195	2,615	3,428	35,283	13 9 1
Tharrawaddy	Nyanlè	1,124	90	...	1,214	13,063	6,306	360	1,171	20,900	17 3 5
	Taungnyo Yoma	...	...	...	...	135	59	...	...	194	...
	Thitcho	15	...	...	15	70	4	...	...	74	4 14 11
	Gwedauksan	81	...	...	81	899	743	...	70	1,712	21 2 2
	Bawbin-Kyaukpyu	...	...	...	...	118	10	...	...	128	...
	Bawbin	750	118	...	868	8,371	4,095	849	783	14,098	16 3 10
	Lower Payagyi	446	54	...	500	5,313	1,659	366	564	7,702	15 6 6
	Kangyi	334	39	...	373	3,083	3,082	277	244	6,686	17 14 10
	Myodwin	10	3	...	13	108	53	7	11	179	13 12 4
	Myaung	349	...	...	349	4,497	3,804	...	...	8,301	23 12 7
	Minhla	2,218	185	...	2,403	24,809	14,598	1,511	1,877	42,795	17 12 11
	Môkka	3,107	126	...	3,233	31,653	29,452	1,214	2,306	64,625	19 15 10
	Kadin-Bilin	1,075	...	...	1,075	12,510	9,588	...	967	23,065	21 7 4
	Kôn-Bilin	333	...	...	333	3,001	3,721	...	334	7,056	21 3 0
	Thônzè	929	98	...	1,027	9,568	5,611	1,074	1,250	17,503	17 0 8
	Total ...	10,771	713	...	11,484	1,16,998	82,785	5,658	9,577	2,15,018	18 11 7
Rangoon ...	Zamayi	1,260	106	...	1,366	14,469	3,545	1,092	2,852	21,958	16 1 2
Toungoo	Yanè	265	67	...	332	2,989	1,146	703	561	5,399	16 4 2
	Mvohla	10	...	...	10	83	94	...	3	180	18 0 0
	East Swa	236	...	...	236	2,252	1,351	...	425	4,028	17 1 1
	Bônndaung	24	...	...	24	189	166	...	10	365	15 3 4

FORM NO. 56A.—*Statement showing Taungya Teak, Cutch, &c., Plantations in the Pegu Circle from 1st April 1892 to 30th June 1893.*—concluded.

Division.	Forest.	Area in acres. On 1st April 1892.	Added during the year.	Excluded.	Area on 30th June 1893.	Cost up to 1891-92. Original cost.	Maintenance.	Cost during 1892-93. Original cost.	Maintenance.	Total.	Average cost per acre.
1	2	3	4	5	6	7	8	9	10	11	12
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs A. P.
Toungoo	Kabaung	206	...	...	206	1,887	796	..	192	2,875	13 15 4
	Punchaung	9	...	...	9	411	191	...	7	609	67 10 8
	Total	750	67	...	817	7,811	3,744	703	1,198	13,456	16 7 6
Shwegyin	Kyundaung	...	...	...	...	150	35	...	...	185	...
	Total Teak Taungyas	14,989	1,279	...	16,268	1,57,473	1,01,304	10,068	17,055	2,85,900	17 9 2
	Cutch Taungyas.										
Thayetmyo	Satsuwa	2	...	...	2	31	4	...	...	35	17 8 0.
Prome	Chaungzauk	38	...	...	38	350	317	...	...	667	17 8 10
	Kyaukgyidaung	33	...	...	33	342	389	...	...	731	22 2 5
	Padetmyaung	91	...	...	91	663	909	...	...	1,572	17 4 5
	Total	162	...		162	1,355	1,615	.	...	2,970	18 5 4
Tharrawaddy	Kangyi	13	...	...	13	154	25	...	29	208	16 0 0
	Chaungzauk	...	105	...	105	...	...	820	...	820	7 12 11
	Total	13	105	...	118	154	25	820	29	1,028	8 11 5
	Total Cutch Taungyas	177	105	...	282	1,540	1,644	820	29	4,033	14 4 10
	Teak and Cutch Taungyas.										
Thayetmyo	Tindaw	325	...	...	325	3,035	980	...	682	4,697	14 7 3
	East Yoma	386	306	...	692	2,972	122	2,536	604	6,334	9 2 5
	Total	711	306	...	1,017	6,007	1,102	2,636	1,286	11,031	10 13 7
Prome	Chaungzauk	590	...	...	590	3,839	5,056	...	494	9,389	15 14 7
	Padetmyaung	380	..	...	380	3,185	2,977	...	553	6,715	17 10 9
	Kyaukgyidaung	295	...	...	295	2,278	2,474	...	471	5,223	17 11 3
	Bwet	11	...	...	11	108	368	...	34	450	40 14 7
	Total	1,276	...	...	1,276	9,410	10,815	...	1,552	21,777	17 1 1
Tharrawaddy	Pazingyè	12	...	...	12	108	49	...	23	180	15 0 0
	Kangyi	28	...	...	28	273	48	...	57	378	13 8 0
	Total	40	...	...	40	381	97	...	80	558	13 15 2
	Total Teak and Cutch Taungyas	2,027	306	...	2,333	15,798	12,014	2,636	2,918	33,366	14 4 10
	Total teak taungyas	14,989	1,279	...	16,268	1,57,473	1,01,304	10,068	17,055	2,85,900	17 9 2
	Total cutch taungyas	177	105	...	282	1,540	1,644	820	29	4,033	14 4 10
	Total teak and cutch taungyas	2,027	306	...	2,333	15,798	12,014	2,636	2,918	33,366	14 4 10
	Seed for yas of 1893	...	...	...	...	...	...	2,920	...	2,920	...
	GRAND TOTAL PEGU CIRCLE	17,193	1,690	...	18,883	1,74,811	1,14,962	16,444	20,002	3,26,219	17 4 5

	Acres.
Area shown as on 31st March 1892 in last year's statement	17,184
+ Area planted in Yene in 1877 and 1878 not previously shown	11
	17,195
— Area previously shown in cutch taungyas in Pyun chaung which were really departmental sowings but unsuccessful	2
Correct area on 1st April 1892	17,193

	Original cost.	Maintenance.
Cost as shown last year...	1,74,929	1,14,802
Deduct error on two acres	29	27
	1,74,900	1,14,775
Revision of figures in Toungoo Division	—89	+187
	1,74,811	1,14,962

FORM NO. 57.—*Statement of Outturn (in cubic feet solid) of Timber and Fuel in the Tenasserim Circle for the year 1892-93 and Agency of Exploitation* (i.e., *from 1st April 1892 to 30th June 1893*).

Division.	Timber in the rough logs.					Timber in the rough poles.					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
I.—RESERVED FORESTS.																										
Salween-Attaran	295,968	...	...	...	295,968	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	295,968
West Salween	84,154	...	...	...	84,154	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84,154
South Tenasserim	860	7,740	...	2,112	10,712	...	...	...	...	...	1,180	...	...	...	1,180	...	...	...	...	...	...	...	...	...	...	11,892
Total ...	380,982	7,740	...	2,112	390,834	...	...	...	...	...	1,180	...	...	...	1,180	...	...	...	...	...	...	...	...	...	...	392,014
II.—PROTECTED FORESTS.																										
Nil.																										
III.—UNCLASSED FORESTS.																										
Salween-Attaran	292,083	734,074	2,850	16,406	1,045,413	...	20,503	...	...	20,503	11,504	...	...	...	11,504	...	...	...	...	...	...	185,350	...	...	185,350	1,262,770
West Salween	57,546	77,098	30	...	134,674	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	134,674
Kado	46,917	369,852	2,822	...	419,591	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	39,000	...	...	39,000	458,591
South Tenasserim	...	967,037	1,466	...	968,503	...	56,876	...	...	56,876	...	...	...	...	...	...	...	...	...	...	...	101,943	...	...	101,943	1,127,322
Total ...	396,546	2,148,061	7,168	16,406	2,568,181	...	77,379	...	...	77,379	11,504	...	...	...	11,504	...	...	...	...	...	...	326,293	...	...	326,293	2,983,357
GRAND TOTAL ...	777,528	2,155,801	7,168	18,518	2,959,015	...	77,379	...	...	77,379	12,684	...	...	...	12,684	...	...	...	...	...	...	326,293	...	...	326,293	3,375,371

FORM NO. 57.—*Statement of Outturn (in cubic feet solid) of Timber and Fuel in the Pegu Circle for the year 1892-93 and Agency of Exploitation (i.e., from 1st April 1892 to 30th June 1893).*

Division.	Description of details.	Timber in the rough logs.					Timber in the rough poles.					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
		Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	I.—RESERVED FORESTS.	C. ft.	C. ft.	C. ft.	C.ft.	C. ft.	C.ft.	C. ft.	C.ft.	C.ft.	C. ft.	C.ft.	C. ft.	C.ft.	C.ft.	C. ft.	C.ft.	No.	No.	No.	No.	C.ft.	C. ft.	C.ft.	C.ft.	C. ft.	C. ft.
Thayetmyo	Teak ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(b)	64,500	...	...	64,500	...	...	...	...	...	...
Prome	Teak ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods ...	...	13,830	...	...	13,830	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13,830
	Unreserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(b)	44,700	...	...	44,700	...	...	...	...	...	...
Tharrawaddy.	Teak ...	836,931	...	...	...	836,931	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	836,931
	Reserved woods ...	...	2,377	...	...	2,377	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,377
	Unreserved woods ...	927	7,840	...	...	8,767	...	...	...	...	...	...	...	...	...	...	(b)	1,804,700	...	17,150	1,821,850	27,450	...	...	27,450	36,217	
																	(c)	100	...	...	100						
Rangoon	Teak ...	216,992	...	...	...	216,992	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,16,992
	Reserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods ...	38,099	17,500	...	...	55,599	...	...	...	...	...	...	...	...	...	...	(b)	2,103,950	...	...	2,103,950	...	...	...	...	...	55,599
																	(c)	13,884	...	...	13,884						
Toungoo	Teak ...	111,287	446,660	...	...	557,947	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	557,947
	Reserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(b)	577,550	...	30,390	607,940	...	...	250	250	250	
																	(c)	3,866	...	...	3,866						
Shwegyin	Teak ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Reserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11,000	...	...	11,000	...	...	...	...	...	...
	II.—PROTECTED FORESTS.																										
	Nil.																										
	III.—UNRESERVED FORESTS.																										
Thayetmyo	Teak ...	76,747	6,436	1,200	...	84,383	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84,383
	Reserved woods ...	...	1,561	...	...	1,561	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,561
	Unreserved woods ...	...	448,271	...	...	448,271	...	10,675	...	...	10,675	...	...	...	...	...	...	1,741,750	...	...	1,741,750	...	219,672	...	...	219,672	678,618
Prome	Teak ...	117,166	3,519	250	...	120 935	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	120,935
	Reserved woods ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Unreserved woods ...	...	197,655	...	...	197,655	...	3,650	...	...	3,650	...	19,600	...	...	19,600	...	1,378,150	...	...	1,378,150	...	323,190	...	...	323,190	544,095
Tharrawaddy.	Teak ...	187,660	61,112	4,480	...	253,252	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	253,252
	Reserved woods ...	...	10,064	...	...	10,064	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,064
	Unreserved woods ...	...	741,200	...	...	741,200	...	20	...	...	20	...	...	...	...	...	(b)	254,800	...	...	254,800	69,680	...	...	69,680	810,900	
																	(c)	800	...	...	800						
Rangoon	Teak ...	44,150	3,153	...	...	47,303	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47,303
	Reserved woods ...	2,038	58,670	...	...	60,708	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60,708
	Unreserved woods ...	1,300	339,048	...	...	340,348	...	100	...	...	100	...	...	...	...	...	(b)	927,050	...	...	927,050	555,824	...	...	555,824	896,272	
																	(c)	30,064	...	...	30,064						

FORM NO. 57.—*Statement of Outturn (in cubic feet solid) of Timber and Fuel in the Pegu Circle for the year 1892-93 and Agency of Exploitation* (i.e., *from 1st April 1892 to 30th June 1893*)—concluded.

Division.	Descriptions of details.	Timber in the rough logs.					Timber in the rough poles.					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
		Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	III.—Unreserved Forests—concluded.	C. ft.	C. ft.	C. ft.	C.ft.	C. ft.	C.ft.	C. ft.	C.ft.	C.ft.	C. ft.	C.ft.	C. ft.	C.ft.	C.ft.	C. ft.	C.ft.	No.	No.	No.	No.	C.ft.	C. ft.	C.ft.	C.ft.	C. ft.	C. ft.
Toungoo	Teak ...	406,704	647,522	6,900	...	1,061,126	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,061,126
	Reserved woods...	...	47,195	500	...	47,695	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47,695
	Unreserved woods	...	755,303	...	...	755,303	...	18,075	...	...	18,075	...	...	...	...	...	(b)	317,600	...	...	317,600		498,782	...	...	498,782	1,272,160
																	(c)	15,278	...	...	15,278						
Shwegyin	Teak ...	53,454	12,690	8,950	...	75,094	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	75,094
	Reserved woods...	...	78,925	600	...	79,525	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	79,525
	Unreserved woods	...	843,330	...	...	843,330	...	2,000	...	...	2,000	...	...	...	...	...	(b)	1,229,775	...	...	1,229,775		363,435	...	...	363,435	1,208,765
																	(c)	8,824	...	...	8,824						
Western	Teak ...	9,490	4,325	2,387	...	16,202	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16,202
	Reserved woods...	...	36,239	300	...	[illegible],539	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	36,539
	Unreserved woods	3,848	2,321,160	...	...	2,325,008	...	778,550	...	...	778,550	...	...	...	...	...	(b)	9,763,517	...	...	9,763,517		527,400	...	...	527,400	3,630,958
																	(c)	1,896,245	...	...	1,896,245						
Agency ...	Unreserved woods	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(b)	25,200	...	...	25,200	...	2,064,950	...	...	2,064,950	2,064,950
	Total Reserved Forests.																										
Total ...	Teak ...	1,165,210	446,660	...	...	1,611,870	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,611,870
	Reserved woods ..	...	16,207	...	...	16,207	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16,207
	Unreserved woods	39,026	25,340	...	...	64,366	...	...	...	...	...	...	...	...	...	...	(b)	4,606,400	...	47,540	4,653,940		27,450	...	250	27,700	92,066
																	(c)	17,850	...	...	17,850						
	Total ...	1,204,236	488,207	...	...	1,692,443	...	...	...	...	...	...	...	...	...	...	...	4,624,250	...	47,540	4,671,790	...	27,450	...	250	27,700	1,720,143
	Total Unreserved Forests.																										
	Teak ...	895,371	738,757	24,167	...	1,658,295	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,658,295
	Reserved woods ...	2,038	232,654	1,[illegible]	...	236,092	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	236,092
	Unreserved woods	5,148	5,645,967	...	...	5,651,115	...	813,070	...	...	813,070	...	19,600	...	...	19,600	(b)	15,637,842	...	...	15,637,842		4,622,933	...	...	4,622,933	11,106,718
																	(c)	1,951,211	...	...	1,951,211						
	Total ...	902,557	6,617,378	25,567	...	7,545,502	...	813,070	...	...	813,070	...	19,600	...	...	19,600	...	17,589,053	...	...	17,589,053	...	4,622,933	...	...	4,622,933	13,001,105
	Grand Total.																										
	Teak ...	2,060,581	1,185,417	24,167	...	3,270,165	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,270,165
	Reserved woods ...	2,038	248,861	1,400	...	252,299	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	252,299
	Unreserved woods	44,174	5,671,307	...	...	5,715,481	...	813,070	...	...	813,070	...	19,600	...	...	19,600	(b)	20,244,242	...	47,540	20,291,782		4,650,383	...	250	4,650,633	11,198,784
																	(c)	1,969,061	...	...	1,969,061						
	Total ...	2,106,793	7,105,585	25,567	...	9,237,945	...	813,070	...	...	813,070	...	19,600	...	...	19,600	...	22,213,303	...	47,540	22,260,843	...	4,650,383	...	250	4,650,633	14,721,248

(b) Indicates bamboos. (c) Canes.

FORM NO. 58 [PRESCRIBED].—*Statement showing Outturn of Minor Forest Produce in the Tenasserim Circle from 1st April 1892 to 30th June 1893.*

Division.	Description of produce.		Produce removed or utilized. By Government agency. Quantity.	By Government agency. Value.	By purchasers. Quantity.	By purchasers. Value.	By free grants. Quantity.	By free grants. Value.	By right-holders. Quantity.	By right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
1	2		3	4	5	6	7	8	9	10	11	12	13
	I.—RESERVED FORESTS. *Nil.*			Rs.		Rs.		Rs.		Rs.		Rs.	
	II.—PROTECTED FORESTS. *Nil.*												
	III.—UNCLASSED STATE FORESTS.												
West Salween	Shaw fibre	Viss	...	...	100	15	...	...	...	...	100	15	
Salween-Attaran	Shaw fibre	"	...	...	100	15	...	...	...	...	100	15	
South Tenasserim	Shaw fibre	"	...	...	2,200	330	...	...	...	...	2,200	330	
	Total	...	...	...	2,400	360	...	...	...	...	2,400	360	
Kado	Wood-oil	Viss	...	...	870	56	...	...	...	...	870	56	
South Tenasserim	Wood-oil	"	...	...	...	7,626	...	...	...	...	...	7,626	
	Total	...	...	...	870	7,682	...	...	...	...	870	7,682	
South Tenasserim ...	Pyu	...	...	...	1,550	155	...	...	...	...	1,550	155	
	Ôndôn	...	...	...	4,425	442	...	...	...	...	4,425	442	
	Cardamoms	...	...	...	...	1,928	...	...	...	...	...	1,928	
	Kalamet	Viss	...	...	1,750	35	...	...	...	...	1,750	35	
	Honey, beeswax, and lac	...	...	...	...	350	...	...	...	...	...	350	
	Tônnwè	Viss	...	...	5,760	22	...	...	...	...	5,760	22	
	Total	...	...	...	...	2,932	...	...	...	...	...	2,932	
	GRAND TOTAL	...	...	...	...	10,974	...	...	...	...	...	10,974	

FORM NO. 58 [PRESCRIBED].—*Statement showing the Outturn of Minor Forest Produce in the Pegu Circle from 1st April 1892 to 30th June 1893.*

Division.	Description of produce.	Produce removed or utilized. By Government agency. Quantity.	By Government agency. Value	By purchasers. Quantity.	By purchasers. Value.	By free grants. Quantity.	By free grants. Value.	By right-holders. Quantity.	By right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
	RESERVED FORESTS.		Rs.		Rs.		Rs.		Rs.		Rs.	
Prome	Cutch ... ... Viss	...	...	5,580	2,790	...	...	...	...	5,580	2,790	
Tharrawaddy		...	...	111,860	27,959	...	...	...	...	111,860	27,959	
	Total ...	...	...	117,440	30,749	...	...	...	...	117,440	30,749	
Prome	Shaw and other fibre ... ... Viss	...	...	11,202	112	...	...	...	...	11,202	112	
Tharrawaddy		...	...	16,424	188	...	...	...	...	16,424	188	
Rangoon		...	...	750	90	...	...	...	...	750	90	
Toungoo		...	...	...	...	...	...	20	1	20	1	
	Total ...	...	...	28,376	390	...	...	20	1	28,396	391	
Prome	Wood-oil and resin ... ... Viss	...	...	4,500	90	...	...	...	...	4,500	90	
Tharrawaddy		...	...	2,250	90	...	...	...	...	2,250	90	
Toungoo		...	...	4,800	320	...	...	...	...	4,800	320	
	Total ...	...	...	11,550	500	...	...	...	...	11,550	500	
Prome	Cigar-leaves... ... ... Viss	...	...	4	4	...	...	...	...	4	4	
Tharrawaddy		...	...	1,120	112	...	...	...	...	1,120	112	
Rangoon		...	...	55	5	...	...	...	...	55	5	
	Total ...	...	...	1,179	121	...	...	...	...	1,179	121	
Thayetmyo	Betel-leaves ... ... Viss	...	...	200	2	...	...	...	...	200	2	
Rangoon		...	...	8,000	80	...	...	...	...	8,000	80	
	Total ...	...	...	8,200	82	...	...	...	...	8,200	82	
Tharrawaddy	Thatch ... ... Bundles	...	...	300	3	...	...	...	...	300	3	
Rangoon		...	...	3,744	72	...	...	...	...	3,744	72	
Toungoo		...	...	200	1	...	...	...	...	200	1	
	Total ...	...	...	4,244	76	...	...	...	...	4,244	76	
Tharrawaddy	Honey and wax ... ... Viss	...	...	200	20	...	...	...	...	200	20	
Toungoo		...	...	200	20	...	...	...	...	200	20	
	Total ...	...	...	400	40	...	...	...	...	400	40	
Tharrawaddy	Fishing ... ... Licenses	...	...	2	20	...	...	...	...	2	20	
Rangoon		...	...	2	20	...	...	...	...	2	20	
	Total ...	...	...	4	40	...	...	...	...	4	40	
Tharrawaddy	Fruits ... ... Baskets	...	...	80	10	...	...	...	...	80	10	
Rangoon		...	...	97	41	...	...	...	...	97	41	
	Total ...	...	...	177	51	...	...	...	...	177	51	
Rangoon	Laterite ... ... Cub. ft.	...	...	15,000	15	...	...	...	...	15,000	15	
	Total Reserves ...	...	...	...	32,064	...	...	...	...	...	32,065	

		II.—Protected Forests. *Nil.*										
		III.—Unclassed Forests.										
Thayetmyo	Cutch	Viss	...	...	36	8	...	...	...	...	36	8
Tharrawaddy			...	...	8,370	3,240	...	...	...	...	8,370	3,240
		Total ...	...	...	8,406	3,248	...	...	...	...	8,406	3,248
Thayetmyo	Shaw and other fibre	Viss	...	...	1,500	45	...	...	...	...	1,500	45
Prome			...	...	4,500	45	...	...	...	...	4,500	45
Rangoon			...	...	300	30	...	...	...	...	300	30
Toungoo			...	...	26,000	195	...	...	20	2	26,020	197
Shwegyin...			...	...	3,000	90	...	...	...	...	3,000	90
		Total ...	...	...	35,300	405	...	..	20	2	35,320	407
Thayetmyo	Wood-oil and resin	Viss	...	...	2,270	205	...	...	...	...	2,270	205
Prome			...	...	27,370	1,046	...	...	...	...	27,370	1,046
Tharrawaddy			...	...	3,500	70	...	...	...	...	3,500	70
Rangoon			...	...	4,000	80	...	...	...	...	4,000	80
Toungoo			...	...	63,000	1,010	...	...	...	...	63,000	1,010
Shwegyin...			...	...	9,000	180	...	...	...	...	9,000	180
		Total ...	...	...	109,140	2,591	...	...	...	...	109,140	2,591
Tharrawaddy	Cigar-leaves	Viss	...	...	210	21	...	...	...	...	210	21
Tharrawaddy	Thatch	Bundles	...	...	200	2	...	...	...	...	200	2
Toungoo			...	...	511,800	1,322	...	...	...	...	511,800	1,322
Shwegyin			...	...	181,255	458	...	...	...	...	181,255	458
		Total ...	...	...	693,255	1,782	...	...	...	...	693,255	1,782
Tharrawaddy	Honey and wax		...	...	...	60	...	...	...	...	...	60
Toungoo			...	...	...	99	...	...	...	...	...	99
		Total ...	...	...	...	159	...	...	...	...	...	159
Thayetmyo	Bark	Viss	...	...	256,500	10,380	...	...	...	...	256,500	10,380
Rangoon			...	...	800	16	...	...	...	...	800	16
		Total ...	...		257,300	10,396	...	...	...	...	257,300	10,396
Prome	Fruits	Baskets	...	...	4	8	...	...	...	...	4	8
Toungoo			...	...	80	16	...	...	...	...	80	16
		Total ...	...	...	84	24	...	...	.	...	84	24
Rangoon	Laterite	Cubic feet	...	...	3,000	3	...	...	...	...	3,000	3
		Total Unreserved Forests ...	...	...	...	18,629	...	...	...	2	...	18,631
		Grand Total ...	...	..	...	50,693	...	...	...	3	...	50,696
		Summary.										
	Cutch	Viss	...	...	125,846	33,997	...	...	...	...	...	...
	Shaw and other fibre	"	...	...	63,676	795	...	...	...	3	...	3
	Wood-oil and resin	"	...	...	120,690	3,091	...	...	...	...	...	...
	Cigar-leaves	"	...	...	1,389	142	...	...	...	...	...	...
	Betel-leaves	"	...	...	8,300	82	...	...	...	...	...	...
	Thatch	Bundles	...	...	697,499	1,858	...	...	...	...	...	...
	Honey and wax	Viss	...	...	400(a)	199	...	...	...	...	...	...
	Fishing	Licenses	...	...	4	40	...	...	...	...	...	...
	Bark extract	Viss	...	...	257,300	10,396	...	...	...	...	...	...
	Fruits	Baskets	...	...	361	75	...	...	...	...	...	...
	Laterite	Cubic feet	...	...	18,000	18	...	...	...	...	...	...
		Total ...	...	...	...	50,693	...	...	...	3	...	50,696

(a) Quantity from unreserved forests not known.

FORM NO. 59 [PRESCRIBED].—*Account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depôts or sold locally in the Tenasserim and Pegu Circles for the year 1892-93.*

Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
TENASSERIM CIRCLE.				
TIMBER.				
Opening Balance.				
Salween-Attaran division.				
Teak logs, pieces, and crooks.	355	4,029		
Padauk logs ...	139	3,519		
Ingyin ...	49	1,281		
Pyinma logs ...	132	4,035		
Thitka logs ...	2	81		
Thingan logs ...	76	3,283		
Thitya logs ...	7	268		
Kanyin logs ...	16	889		
Thingan hulls ...	3	266		
Unreserved woods, logs	51	2,794		
Pyinkado sleepers ...	101	184		
Pyinma sleepers ...	202	808		
Teak scantlings ...	1	62		
Pyinma scantlings ...	34	1,724		
Pyinkado scantlings ...	46	2,299		
Padauk scantlings ...	1	52		
Pyinkado posts ...	7	81		
			1,222	25,655
West Salween division.				
Teak logs, pieces, and crooks.	3,561	34,273		
			3,561	34,273
Kado division.				
Pyinma logs ...	51	2,795		
Drift teak ...	3,907	92,327		
Drift woods other than teak.	18	650		
Foreign teak logs ...	100,743	5,682,806		
Foreign woods other than teak.	92	3,615		
			104,811	5,782,193
South Tenasserim.				
Thitka logs ...	36	2,380		
Anan logs ...	6	177		
Kamaung logs ...	42	2,098		
Thingan logs ...	21	903		
Padauk logs ...	33	3,049		
Pyinkado logs ...	399	18,013		
Unreserved logs ..	1	56		
Confiscated other than teak.	12	664		
Drift other than teak ...	23	1,176		
Pyinkado sleepers ...	63	94		
Pyinma sleepers ...	411	1,644		
Pyinkado scantlings, tons.	59	2,959	1,106	33,213
Total opening balance ...	...	...	110,700	5,875,334
Carried over ...	...	...	110,700	5,875,334

Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
TENASSERIM CIRCLE.				
Removed by Purchasers from Depôts.				
Teak logs, pieces, and crooks	24,858	511,613		
Padauk logs	79	4,016		
Pyinma logs	1,637	80,087		
Kamaung logs	11	550		
Kanyin logs	702	52,387		
Thingan logs	97	3,786		
Pyinkado logs	79	3,141		
Unreserved woods, logs ...	119	5,054		
Thingan hulls	1	136		
Thitka logs	29	1,545		
Drift teak logs	2,063	53,136		
Drift wood other than teak logs.	50	4,234		
Waif wood other than teak logs.	9	1,285		
Confiscated other than teak logs.	40	3,286		
Anan logs	3	89		
Pyinma sleepers 16 by 8 by 4½	609	2,436		
Pyinkado scantlings ...	97	4,884		
Thitka squares	32	999		
Pyinkado sleepers ...	115	172		
			30,639	732,836
Sold locally.				
Thingan hulls	1	34		
			1	34
Converted in Depôts.				
Padauk logs	298	13,146		
			298	13,146
Used, lost, drifted, &c.				
Teak logs	6	184		
Padauk logs	15	462		
Pyinma logs	59	2,330		
Pyinma scantlings ...	13	654		
Thitka logs	7	440		
Pyinkado logs	4	173		
Drift teak	48	1,251		
Drift logs other than teak ...	20	1,074		
Confiscated logs other than teak.	11	646		
Unreserved woods, logs ...	11	287		
Thingan logs	...	400		
Pyinkado scantlings ...	1	34		
			195	7,935
Carried over ...	...	...	31,133	753,951

FORM NO. 59 [PRESCRIBED].—*Account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depôts or sold locally in the Tenasserim and Pegu Circles for the year 1892-93*—continued.

Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
TENASSERIM CIRCLE —concluded.				
Brought forward ...	...	...	110,700	5,875,334
Received from the Forests in Depôts.				
Teak logs, pieces, and crooks	25,955	5,62,727		
Padauk logs	389	17,590		
Pyinma logs	3,198	142,202		
Kanyin logs	691	51,948		
Thitka logs	10	267		
Pyinkado logs ...	22	761		
Unreserved woods, logs ...	52	1,863		
Thingan hulls	1	136		
Drift teak logs	9,126	280,388		
Drift wood other than teak logs.	62	4,799		
Confiscated other than teak logs	49	3,286		
Waif other than teak logs ...	9	1,285		
Received by conversion in Depôts.			39,564	1,067,252
Padauk squares ...	298	9,114		
Padauk planks and scantlings	48	2,390		
Thitka squares ...	32	999		
Pyinkado scantlings ...	108	99		
Pyinkado sleepers ...	55	82		
Received from the Forests and sold locally.			541	12,684
Thingan hulls	1	34		
Foreign timber entered at Kado Revenue Station.			1	34
Teak logs	138,165	4,146,612		
Woods other than teak logs ...	6	550		
			138,171	4,147,162
GRAND TOTAL ...	...	...	288,977	11,102,466

Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
TENASSERIM CIRCLE —concluded.				
Brought forward ...	...	...	31,133	753,951
Delivered to claimants.				
Drift teak	3,487	144,733		
Drift logs other than teak ...	1	12	3,488	144,745
Logs cleared from Depôts on payment of duty.				
Foreign teak	1,62,368	4,856,300		
Foreign wood other than teak	5	500	162,373	4,856,800
Total of disposals ...	...	...	196,994	5,755,496
Closing Balance.				
Salween-Attaran division.				
Teak logs, pieces, and crooks.	2,232	48,876		
Padauk logs ...	143	3,865		
Pyinma logs ...	1,410	53,824		
Thitka logs ...	4	143		
Kanyin logs ...	3	361		
Thingan hulls ...	3	266		
Teak scantlings, tons ...	1	62		
Padauk squares ...	298	9,114		
Padauk scantlings ...	49	2,442		
Pyinma scantlings ...	21	1,070		
Pyinma sleepers ...	4	16		
Pyinkado sleepers ...	101	184		
Pyinkado posts ...	7	81		
Unreserved woods, logs	29	865	4,305	121,169
West Salween.				
Teak logs, pieces, and crooks.	2,775	40,356		
Pyinma logs ...	101	4,887		
Kanyin logs ...	2	89	2,878	45,332
Kado division.				
Pyinma logs ...	174	7,904		
Drift teak ...	7,435	173,595		
Drift wood other than teak.	25	1,070		
Foreign teak logs ...	76,540	4,973,118		
Foreign wood other teak.	93	3,665	84,267	5,159,352
South Tenasserim division.				
Anan logs	3	88		
Kamaung logs ...	31	1,548		
Padauk logs ...	26	2,669		
Pyinkado logs ...	338	15,460		
Thitka logs ...	8	600		
Unreserved woods, logs	1	56		
Drift logs ...	7	235		
Confiscated logs ...	1	18		
Pyinkado sleepers ...	3	4		
Pyinkado scantlings ...	115	439	533	21,117
Total balance ...	...	...	91,983	5,346,970
GRAND TOTAL ...	...	...	288,977	11,102,466

FORM NO. 59 [PRESCRIBED].—*Account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depôts or sold locally in the Tenasserim and Pegu Circles for the year 1892-93*—concluded.

Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
PEGU CIRCLE,				
OPENING BALANCE.				
Teak logs.				
Thayetmyo	1,453	26,020		
Prome	42	1,680		
Tharrawaddy	80	4,000		
Rangoon	22	220		
Shwegyin	730	32,850		
Agency	27,081	1,331,873	29,408	1,396,643
Teak logs from paddy-fields.				
Prome	384	7,680		
Tharrawaddy	2,171	47,762	2,555	55,442
Teak poles.				
Rangoon	7,866	7,866	7,866	7,866
Logs other than teak.				
Rangoon	116	5,800		
Agency	37	1,463	153	7,263
Drift teak logs.				
Thayetmyo	49	3,491		
Prome	89	2,670		
Toungoo	153	6,120		
Shwegyin	223	6,910		
Western	195	3,650		
Agency	72	2,351	781	25,092
Drift logs other than teak.				
Prome	2	60		
Toungoo	3	120		
Shwegyin	6	130		
Agency	17	891	28	1,201
Total opening balance ...	...	...	40,791	1,493,507
Received from Forests.				
Teak logs	35,185	1,871,359		
Teak logs from paddy-fields ...	8,639	189,222		
Logs other than teak	1,041	46,212	44,865	2,106,793
Drift collected.				
Teak logs	9,336	431,305		
Logs other than teak ...	128	4,491	9,464	435,796
Total receipts ...	...	...	54,329	2,542,589
Received in Rangoon Depôt.				
Teak logs	33,593	1,827,083		
Logs other than teak ...	53	2,965		
Drift teak logs	1,670	75,180		
Drift logs other than teak ...	60	2,596		
Total transfers ...	...	...	35,376	1,907,824
GRAND TOTAL ...	...	...	130,496	5,943,920

Particulars.	Number or quantity.	Cubic feet.	Total of each head. Number or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
PEGU CIRCLE.				
Transferred to Rangoon Depôt.				
Teak logs	33,593	1,827,083		
Logs other than teak ...	53	2,965		
Drift teak logs	1,670	75,180		
Drift logs other than teak ...	60	2,596		
Total transfers ...	...	...	35,376	1,907,824
Returned to Contractors.				
Teak logs	575	13,976	575	13,976
Used, lost, stolen, &c.				
Teak logs	13	470		
Drift teak logs	50	2,833		
Drift logs other than teak ...	1	20	64	3,323
Drift logs returned to Claimants.				
Teak	6,902*	323,806	6,902	323,806
Sold locally.				
Teak logs	2,372	67,238		
Teak logs from paddy-fields ...	5,278	114,512		
Teak poles	1,666	1,666		
Logs other than teak ..	1,104	49,047		
Drift teak logs	883	36,169		
Drift logs other than teak ...	72	2,035	11,375	270,667
From Rangoon Depôt.				
Drift logs returned to Claimants.				
Teak	1,101	54,561	1,101	54,561
From Rangoon Depôt sold.				
Teak logs	43,831	2,291,498		
Logs other than teak ...	90	4,428		
Drift teak logs	509	16,330		
Drift logs other than teak ...	59	2,554	44,489	2,314,810
Total of disposals ...	...	...	64,506	2,981,143
CLOSING BALANCE.				
Teak Logs.				
Thayetmyo	480	8,862		
Prome	300	12,000		
Thrrawaddy	80	4,000		
Rangoon	40	1,120		
Western	69	1,715		
Agency ...	16,833	867,123	17,802	894,820
Teak logs from paddy-fields.				
Tharrawaddy	5,916	130,152	5,916	130,152
Teak poles.				
Rangoon	6,200	6,200	6,200	6,200
Drift teak logs.				
Thayetmyo	6	244		
Prome ...	55	1,650		
Toungoo	171	5,967		
Shwegyin	15	665		
Western	293	7,632		
Agency	132	6,540	672	22,698
Drift Logs other than Teak.				
Western	6	150		
Agency	18	933	24	1,083
Total closing balance ...	...	...	30,614	1,054,953
GRAND TOTAL ...	...	...	130,496	5,943,920

* Include 9 logs on which salvage dues were outstanding at the close of the year.

FORM NO. 59A [PRESCRIBED].—*Statement showing account of Timber and other Produce cut or collected by Government Agency and brought to Sale Depôts or sold locally from 1st April 1892 to 30th June 1893.*

Particulars.	Tenasserim circle.		Pegu circle.		Total of each head.	
	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.
1	2	3	4	5	6	7
Opening balance ...	110,700	5,875,334	40,791	1,493,507	151,491	7,368,841
Received from Forests in Depôts—						
Teak logs, pieces, and crooks	25,955	562,727	33,593	1,827,083	59,548	2,389,810
Logs other than teak	4,363	214,767	53	2,965	4,416	217,732
Drift teak logs	9,126	280,388	1,670	75,180	10,796	355,568
Drift logs other than teak	62	4,799	60	2,596	122	7,395
Confiscated other than teak	49	3,286	...	...	49	3,286
Waif other than teak	9	1,285	...	...	9	1,285
Total ...	39,564	1,067,252	35,376	1,907,824	74,940	2,975,076
Received from Forests by extraction—						
Teak logs, poles, &c.	...	...	43,824	2,060,581	43,824	2,060,581
Logs other than teak	1	34	1,041	46,212	1,042	46,246
Total ...	1	34	44,865	2,106,793	44,866	2,106,827
Received by conversion in Depôts—						
Padauk squares	298	9,114	...	...	298	9,114
Padauk planks and scantlings	48	2,390	...	...	48	2,390
Thitka squares	32	999	...	...	32	999
Pyinkado scantlings	108	99	...	...	108	99
Pyinkado sleepers	55	82	...	...	55	82
Total ...	541	12,684	...	...	541	12,684
Foreign timber entered at Kale Revenue Station—						
Teak logs	138,165	4,146,612	...	...	138,165	4,146,612
Logs other than teak	6	550	...	...	6	550
Total ...	138,171	4,147,162	...	...	138,171	4,147,162
Drift logs collected in divisions—						
Teak	...	...	9,336	431,305	9,336	431,305
Logs other than teak	...	...	128	4,491	128	4,491
Total ...	...	...	9,464	435,796	9,464	435,796
GRAND TOTAL ...	288,977	11,102,466	130,496	5,943,920	419,473	17,046,386

Particulars.	Tenasserim circle.		Pegu circle.		Total of each head.	
	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.	Number or quantity.	Cubic feet.
1	2	3	4	5	6	7
Removed by purchasers from Depôts—						
Teak logs, pieces, and crooks	24,858	511,613	43,831	2,291,498	68,689	2,803,111
Logs other than teak	2,757	150,791	90	4,428	2,847	155,219
Drift teak logs	2,063	53,136	509	16,330	2,572	69,466
Drift logs other than teak	50	4,234	59	2,554	109	6,788
Confiscated other than teak	49	3,286	...	...	49	3,286
Waif	9	1,285	...	...	9	1,285
Pyinma and pyinkado sleepers	724	2,608	...	...	724	2,608
Scantlings and squares	129	5,883	...	...	129	5,883
Total ...	30,639	732,836	44,489	2,314,810	75,128	3,047,646
Disposed of locally—						
Teak logs, poles, &c.	...	...	9,316	183,416	9,316	1,83,416
Logs other than teak	1	34	1,104	49,047	1,105	49,081
Drift teak logs	...	...	883	36,169	883	36,169
Drift logs other than teak	...	...	72	2,035	72	2,035
Total ...	1	34	11,375	270,667	11,376	270,701
Converted in Depôts—						
Padauk logs	298	13,146	...	...	298	13,146
Used, lost, drifted, &c.—						
Teak logs	6	184	13	470	19	654
Logs other than teak	96	4,092	...	...	96	4,092
Drift teak logs	48	1,251	50	2,833	98	4,084
Drift logs other than teak	20	1,074	1	20	21	1,094
Confiscated other than teak	11	646	...	...	11	646
Pyinma and pyinkado scantlings	14	688	...	...	14	688
Total ...	195	7,935	64	3,323	259	11,258
Delivered to claimants—						
Drift teak logs	3,487	144,733	8,003	378,367	11,490	523,100
Drift logs other than teak	1	12	...	...	1	12
Total ...	3,488	144,745	8,003	378,367	11,491	523,112
Returned to Contractors—						
Teak logs	...	...	575	13,976	575	13,976
Transferred to Depôts—						
Teak logs	...	...	33,593	1,827,083	33,593	1,827,083
Logs other than teak	...	...	53	2,965	53	2,965
Drift teak logs	...	...	1,670	75,180	1,670	75,180
Drift logs other than teak	...	...	60	2,596	60	2,596
Total ...	...	...	35,376	1,907,824	35,376	1,907,824
Cleared on payment of duty—						
Foreign teak logs	162,368	4,856,300	...	...	162,368	4,856,300
Foreign logs other than teak	5	500	...	...	5	500
Total ...	162,373	4,856,800	...	...	162,373	4,856,800
Closing balance—						
Teak logs, pieces, poles, crooks, and posts	5,007	89,232	29,918	1,031,172	34,925	1,120,404
Logs other than teak	2,283	92,706	...	...	2,283	92,706
Confiscated logs other than teak	1	18	...	...	1	18
Drift teak logs	7,442	173,830	672	22,698	8,114	196,528
Drift logs other than teak	25	1,070	24	1,083	49	2,153
Teak scantlings	1	62	...	...	1	62
Scantlings of other woods	185	3,951	...	...	185	3,951
Sleepers of other woods	108	204	...	...	108	204
Padauk squares	298	9,114	...	...	298	9,114
Foreign teak logs	76,540	4,973,118	...	...	76,540	4,973,118
Foreign logs other than teak	93	3,665	...	...	93	3,665
Total ...	91,983	5,346,970	30,614	1,054,953	122,597	6,401,923
GRAND TOTAL ...	288,977	11,102,466	130,496	5,943,920	449,473	17,046,386

FORM NO. 60 [PRESCRIBED].—*Abstract showing the Value of Timber and other Produce at Sale Depôts from 1st April 1892 to 30th June 1893.*

Description of timber and other produces.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
TENASSERIM CIRCLE.			Rs.			Rs.	Rs.	Rs.	
Teak logs...	3,916	38,302	8,124	5,007	89,232	51,833	43,699	...	
Drift logs	3,950	94,817	41,626	7,468	174,918	75,701	34,075	...	
Logs (wood, other kinds) ...	1,081	45,968	12,579	2,283	92,706	23,588	11,009	...	
Padauk squares	...	...	...	298	9,114	12,740	12,740	...	
Sleepers	777	2,730	3,244	108	304	55	...	3,189	
Teak scantlings	1	62	37	1	62	25	...	12	
Scantlings other than teak ...	140	7,034	6,528	185	3,951	1,891	...	4,637	
Foreign teak	100,743	5,682,805	20,14,860	76,540	4,973,114	15,30,800	...	4,84,060	
Foreign wood (other kinds) ...	92	3,615	920	93	3,665	930	10	...	
Total Tenasserim Circle ...	110,700	5,875,334	20,87,918	91,983	5,346,970	1,697,553	...	3,90,365	
PEGU CIRCLE.									
Teak logs...	29,408	1,396,643	9,11,648	17,802	894,820	5,59,286	...	3,52,362	
Teak paddy-field logs ...	2,555	55,442	12,775	5,916	130,152	29,580	16,805	...	
Teak poles	7,866	7,866	624	6,200	6,200	248	...	376	
Logs other than teak ...	153	7,263	1,224	...	...	...	...	1,224	
Teak drift logs	781	25,092	17,182	672	22,698	12,581	...	4,601	
Drift logs other than teak ...	28	1,201	224	24	1,083	403	184	...	
Total Pegu Circle ...	40,791	1,493,507	9,43,677	30,614	1,054,953	602,103	...	3,41,574	

FORM NO. 60A.—*Abstract showing the Value of Live and Dead Stock from 1st April 1892 to 30th June 1893.*

Description of live and dead stock.	At commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
TENASSERIM CIRCLE.			Rs.			Rs.	Rs.	Rs.	
Live-stock	11	...	13,850	12	...	14,750	900	...	
Buildings...	30	...	16,649	30	...	15,999	...	650	
Dead-stock	...	...	10,716	...	...	16,846	6,130	...	
Total ...	...	...	41,215	42	...	47,595	6,380	...	
PEGU CIRCLE.									
Live-stock	38	...	49,856	38	...	50,300	444	...	Besides one calf.
Buildings...	52	...	57,962	53*	...	64,900	6,938	...	* One incomplete.
Dead-stock	...	...	32,584	...	...	33,319	735	...	
Total Pegu Circle ...	...	...	1,40,402	...	...	1,48,519	8,117	...	
GRAND TOTAL LOWER BURMA ...	...	...	1,81,617	...	...	1,96,114	14,497	...	

FORM NO. 61 [PRESCRIBED].—*Summary of Revenue of the different Divisions from 1st April 1892 to 30th June 1893.*

Budget heads.	Agency.	Kado division.	South Tenasserim division.	Total Tenasserim circle.	Agency division.	Rangoon division.	Tharrawaddy division.	Prome division.	Thayetmyo division.	Western division.	Tounngoo division.	Shwegyin division.	Total Pegu circle.	Grand total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
RECEIPTS.														
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—														
(a) Timber...	3,11,977	16,067	5,339	3,33,383	21,37,839	14,337	29,040	9,442	14,669	7,845	991	...	22,14,163	25,47,546
(b) Firewood and charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Bamboos	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(d) Sandal-wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) Grass and other minor produce	12	...	...	12	...	...	...	...	...	...	...	...	...	12
Total	3,11,989	16,067	5,339	3,33,395	21,37,839	14,337	29,040	9,442	14,669	7,845	991	...	22,14,163	25,47,558
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—														
(a) Timber ...	65,892	14,493	20,509	1,00,894	3,424	26,036	60,367	11,248	16,262	92,019	4,92,786	46,958	7,49,100	8,49,994
(b) Firewood and charcoal	2,417	195	788	3,400	20,649	2,741	639	2,132	1,595	4,044	3,006	1,913	36,719	40,119
(c) Bamboos	1,519	2,150	1,856	5,525	88	8,450	5,170	3,557	4,516	24,795	2,233	3,199	52,013	57,538
(d) Grazing and fodder grass	...	...	16	16	...	399	90	...	...	...	...	480	480	505
(e) Other minor produce	167	127	13,283	13,577	...	1,186	31,804	4,895	10,640	20,173	6,179	1,792	75,869	89,446
Total	69,995	16,965	36,452	1,23,412	24,161	38,812	98,070	21,032	33,013	1,41,031	5,04,209	53,862	9,14,190	10,37,602
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE	...	54,082	1,208	55,290	21,599	...	874	4,465	2,512	13,062	13,500	6,568	62,580	1,17,870
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—														
(a) Duty on foreign timber and other forest produce	...	3,78,187	...	3,78,187	...	...	...	...	...	...	...	...	...	3,78,187
(b) Revenue from shared and private forests	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...	3,78,187	...	3,78 187	...	...	...	...	...	...	...	...	...	3,78,187
V.—MISCELLANEOUS—														
(a) Fines and forfeitures	2,223	4,221	...	6,444	...	...	330	...	870	...	...	...	1,200	7,644
(b) Refunds	625	4	...	629	50	46	181	161	32	101	149	...	720	1,349
(c) Other sources	1,590	15,417	1,748	18,755	1,826	2,188	6,537	5,199	7,105	3,567	4,655	3,076	34,153	52,908
Total	4,438	19,642	1,748	25,828	1,876	2,234	7,048	5,360	8,007	3,668	4,804	3,076	36,073	61,901
Total Receipts	3,86,422	4,84,943	44,747	9,16,112	21,85,475	55,383	1,35,032	40,299	58,201	1,65,606	5,23,504	63,506	32,27,006	41,43,118

FORM NO. 61 [PRESCRIBED].—*Summary of Expenditure of the different Divisions from 1st April 1892 to 30th June 1893*—continued.

Budget heads.	Agency division.	Kado division.	South Tenasserim division.	Total Tenasserim circle.	Agency direction.	Rangoon division.	Tharrawaddy division.	Prome division.	Thayetmyo division.	Western division.	Toungoo division.	Shwegyin division.	Total Pegu circle.	Grand total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A.—CONSERVANCY AND WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—														
(a) Timber...	1,47,570	9,370	3,464	1,60,404	27,734	67,502	2,35,841	20,229	14,309	4,057	1,74,593	27,463	5,71,728	7,32,132
(b) Firewood and charcoal	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Bamboos	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(d) Sandal-wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) Grass and other minor produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	1,47,570	9,370	3,464	1,60,404	27,734	67,502	2,35,841	20,229	14,309	4,057	1,74,593	27,463	5,71,728	7,32,132
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS	2,115	1,348	652	4,115	1,880	2,611	2,347	1,913	1,833	5,560	1,519	809	18,472	22,587
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE	...	34,025	211	34,236	2,323	1,732	...	826	891	8,579	6,504	5,195	26,050	60,286
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—														
(a) Duty on foreign timber and other forest produce	...	15,190	...	15,190	...	...	...	...	...	...	...	...	...	15,190
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.														
VI.—LIVE-STOCK, STORES, TOOLS AND PLANT—														
(a) Purchase of cattle	...	900	...	900	...	...	...	...	...	...	...	...	...	900
(b) Feed and keep of cattle	5,521	513	...	6,034	11,387	734	1,206	796	798	1,139	5,306	875	22,241	28,275
(c) Purchase of stores, tools and plant	2,447	11,394	286	14,127	1,300	401	250	125	76	361	282	217	3,006	17,133
Total	7,958	12,807	286	21,061	12,687	1,135	1,456	921	874	1,500	5,588	1,086	25,247	46,308
VII.—COMMUNICATIONS AND BUILDINGS—														
(a) Roads and bridges...	978	...	...	978	84	122	1	...	...	...	15	34	256	1,234
(b) Buildings	312	1,704	226	1,642	2,616	898	916	501	209	91	1,070	6,681	12,983	14,625
(c) Other works	171	245	...	416	...	4	2	11	...	...	357	22	396	812
Total	1,461	1,349	226	3,036	2,700	1,024	919	513	209	91	1,442	6,737	13,635	16,671
VIII.—DEMARCATION, IMPROVEMENT, AND EXTENSION OF FORESTS—														
(a) Demarcation	2,125	...	...	2,125	1,071	132	1,038	323	197	13	541	1,000	4,315	6,440
(b) Compensation for land and rights	...	...	10	10	...	...	...	...	996	...	...	15	1,011	1,021
(c) Surveys	27,387	...	...	27,387	443	20	...	54	...	...	3,056	3	3,576	30,963
(d) Working plains	...	...	...	...	...	41	...	...	...	...	9,176	...	9,217	9,217
(e) Sowing and planting	22,951	...	999	23,960	...	7,559	21,588	8,773	4,351	...	2,239	...	44,510	68,470
(f) Protection from fire	14,490	...	...	14,490	...	2,759	8,956	8,423	723	...	11,570	288	32,719	47,209
(g) Other works	168	...	94	262	...	137	4,458	...	...	...	205	74	4,874	5,136
Total	67,131	...	1,103	68,234	1,514	10,648	36,040	17,573	6,267	13	26,787	1,380	1,00,232	1,68,456
IX.—MISCELLANEOUS—														
(a) Refunds	612	40	...	652	259	...	...	200	...	452	...	84	1,005	1,657
(b) Law charges	...	710	...	710	...	...	...	49	325	12	34	...	420	1,130
(c) Other charges	327	619	122	1,058	551	54	2,881	422	59	41	111	104	4,233	5,291
Total	939	1,369	122	2,430	810	54	2,881	671	384	515	145	188	5,648	8,078
Total A.—Conservancy and Works	2,27,184	75,458	6,064	3,08,706	49,648	84,706	2,79,484	42,646	24,767	20,315	2,16,378	42,858	7,61,002	10,69,708

FORM NO. 61 [PRESCRIBED].—*Summary of Expenditure of the different Divisions from 1st April 1892 to 30th June 1893*—concluded.

Budget heads.	Agency direction.	Kado division.	South Tenasserim division.	Total Tenasserim circle.	Agency direction.	Rangoon division.	Tharrawaddy division.	Prome division.	Thayetmyo division.	Western division.	Toungoo division.	Shwegyin division.	Total Pegu circle.	GRAND TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Total A—Conservancy and Works ...	2,27,184	75,458	6,064	3,08,706	49,648	84,706	2,79,484	42,646	24,767	20,315	2,16,578	42,858	7,61,082	10,69,708
B.—ESTABLISHMENT.														
I.—SALARIES—														
(a) Conservators ...	16,580	...	...	16,580	19,090	...	...	...	...	...	...	...	19,090	35,590
(b) Superior officers ...	31,444	11,980	6,300	49,724	26,778	18,787	20,985	9,450	10,539	16,040	10,582	8,250	1,21,411	1,71,135
(c) Subordinate forest and depôt establishments ...	10,487	9,515	3,395	23,397	7,332	9,502	7,054	6,783	3,130	5,120	8,364	4,424	51,709	75,106
(d) Office establishment ...	12,745	7,669	2,045	22,459	18,041	3,268	4,906	2,410	2,612	2,774	2,604	2,079	38,784	61,183
(e) Deputation and special allowances ...	4,380	1,550	1,916	7,846	7,324	2,300	3,850	2,009	1,529	2,500	1,837	1,509	22,849	30,695
Total ...	75,556	30,714	13,656	1,19,926	78,565	33,857	36,795	20,652	17,840	26,434	23,387	16,252	2,53,783	3,73,709
II.—TRAVELLING ALLOWANCES—														
(a) Conservators ...	3,353	...	...	3,353	2,000	...	...	...	...	...	...	...	2,000	5,353
(b) Superior officers ...	6,166	2,309	1,486	9,961	5,249	2,931	6,355	1,471	1,890	2,714	2,335	1,954	24,899	34,860
(c) Subordinate forest and depôt establishments ...	2,032	748	162	2,942	71	2,647	1,256	676	602	2,218	2,147	991	10,608	13,550
(d) Office establishment ...	714	106	114	934	153	585	452	230	315	387	322	149	2,593	3,527
Total ...	12,265	3,163	1,762	17,190	7,473	6,163	8,063	2,377	2,807	5,319	4,804	3,094	40,100	57,290
III.—CONTINGENCIES—														
(a) Stationery ...	...	...	...	...	70	...	8	22	14	23	12	8	157	157
(b) Carriage of tents and recoils ...	214	21	...	235	12	425	1	...	8	23	18	14	501	736
(c) Rents, rates, and taxes ...	129	67	...	196	3,900	7	...	121	19	151	29	10	4,237	4,433
(d) Pay of police guards ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(e) Official postage ...	258	117	52	427	570	172	301	82	117	213	91	102	1,548	1,975
(f) Sundries ...	925	220	129	1,274	776	339	1,045	408	97	223	331	327	3,596	4,870
Total ...	1,526	425	181	2,132	5,328	933	1,255	693	255	633	481	461	10,039	12,171
Total B.—Establishment ...	89,347	34,302	15,599	1,39,248	91,366	40,953	46,113	23,722	20,902	32,386	28,672	19,808	3,03,922	4,43,170
GRAND TOTAL OF EXPENDITURE ...	3,16,531	1,09,760	21,663	4,47,954	1,41,014	1,25,659	3,25,597	66,368	45,669	52,701	2,45,250	42,666	10,64,924	15,12,878

Dr. FO[redacted]O. 62 [PRESCRIBED]—*Statement showing Account-Current for the year 1892-93.* *Cr.*

TENASSERIM CIRCLE.		Rs. A. P.	Rs. A. P.
To Cash balance		.....	700 10 10
To Fiij.—Assessed Taxes—			
Income-tax deductions from salaries		.....	2,503 4 2
Revenue as per Annual Summary Form No. 61		.....	9,16,111 15 5
To Service Funds—			
Civil Fund, Ordinary, Bengal		.....	
Civil Fund, Additional, Bengal		.....	
Military Fund, Bengal		.....	
Military Fund, Madras		.....	
Military Orphan Fund, Bengal		.....	
Uncovenanted Service Family Pension Fund, Bengal		.....	1,234 7 0
General Family Pension Fund		.....	
Hindu Family Annuity Fund		.....	
To Deposits		.....	
To Forest Cash Remittances (Local)—			
Forest cheques drawn		4,60,787 6 7	
Inter-divisional transfers		2,575 12 7	4,63,363 2 2
To Advances recoverable		.....	87,923 2 4
Suspense		.....	
To Account-Current (other Governments)—			
Remittances from Government of India		28,344 0 9	
Remittances from Government of Bengal		108 0 0	
			28,452 0 9
To Inter-departmental Transfers—			
Public Works Department		.....	
Military Department, Bengal		615 6 11	
To Civil Department—			
Jails	381 4 0		
Survey of India Department	115 14 0		
Miscellaneous	12,116 1 2		
Marine	121 4 6		
		12,734 7 8	13,349 14 7
Total ...		.....	15,13,638 9 3

TENASSERIM CIRCLE.		Rs. A. P.	Rs. A. P.
By Expenditure as per Annual Summary Form No. 61		.....	4,47,953 9 10
By Deposits		.....	
By Forest Cash Remittances (Local)—			
Remittances to treasuries		8,97,354 12 4	
Inter-divisional transfers		1,270 15 2	
			8,98,625 11 6
By Advances recoverable		.....	1,22,544 10 11
Suspense		.....	
By Account-Current other Governments—			
Remittances to the Government of India		.....	23,518 0 7
By Inter-departmental Transfers—			
Public Works Department, State Railways		1,006 7 1	
		14 12 0	
Military Department, Madras		147 4 10	
Military Department, Bombay		2,613 12 0	
Civil Department—			
Jails	15,006 11 8		
Miscellaneous	1,211 1 2		
Marine Department	90 0 0		
Telegraph Department	1 9 9		
		16,309 6 7	
			20,696 10 6
Cash balance		.....	899 13 11
Total ...		.....	15,13,638 9 3

J. C. BOSE,
Assistant Comptroller-General (Forests)

Dr. FORM NO. 62 [PRESCRIBED].—*Statement showing Account-Current for the year 1892-93.* *Cr.*

PEGU CIRCLE.	Rs. A. P.	Rs. A. P.
To Cash balance	.....	685 9 0
To VIII.—Assessed Taxes—		
Income-tax deductions from salaries	.....	5,285 13 10
Revenue as per Annual Summary Form No. 61	.....	32,27,006 2 5
To Service Funds—		
Civil Fund, Ordinary, Bengal	.....	
Civil Fund, Additional, Bengal	.....	
Military Fund, Bengal	.....	
Military Fund, Madras	.....	
Military Orphan Fund, Bengal	.....	
Uncovenanted Service Family Pension Fund, Bengal	.....	1,845 11 0
General Family Pension Fund	.....	
Hindu Family Annuity Fund	.....	
To Deposits	.....	
To Forest Cash Remittances (Local)—		
Forest cheques drawn	10,83,089 4 11	
Inter-divisional transfers	10,580 6 2	
		10,93,669 11 1
To Advances recoverable	.....	4,13,397 4 9
Suspense	.....	83 9 10
To Account-Current (other Governments)—		
Remittances from Government of India	16,454 5 9	
Remittances from Government of North-Western Provinces and Oudh	150 0 0	
Remittances from Government of Assam	961 6 3	
Remittances from Government of Bengal	24 0 0	
Remittances from Government of Central Provinces	508 8 3	
		18,098 4 3
To Inter-departmental Transfers—		
Public Works Department, Ordinary Branches	88 8 0	
Military Department, Bengal	35 13 7	
To Civil Department—		
Jails ... 20 6 0		
Survey of India ... 591 14 6		
Miscellaneous ... 61 13 3		
	674 1 3	
		798 6 10
Total	.....	47,60,870 9 0

PEGU CIRCLE.		Rs. A. P.	Rs. A. P.
By Expenditure as per Annual Summary Form No. 61		.....	10,64,923 10 6
Deposits		.....	
By Forest Cash Remittances (Local)—			
Remittances to treasuries		29,43,594 9 8	
Inter-divisional transfers		14,560 8 10	
			29,58,155 2 6
By Advances recoverable		.....	4,39,636 12 10
Suspense		.....	6 3 11
By Account-Current (other Governments)—			
Remittances to the Government of India		30 15 0	
Remittances to the Government of Madras		1,26,821 5 7	
Remittances to the Government of Central Provinces		554 14 11	
Remittances to the Government of North-Western Provinces and Oudh		0 6 8	
			1,27,407 10 2
By Inter-departmental Transfers—			
Public Works Department, State Railways		71,368 11 9	
Public Works Department, Ordinary Branches		28,956 9 10	
Military Department		.....	
To Civil Department—			
Jails	23,283 7 11		
Miscellaneous	112 5 3		
Telegraph Department	88 8 0		
Marine Department	46,688 5 0		
		70,172 10 2	
			1,70,497 15 9
By Cash balance		.....	243 1 4
Total			47,60,870 9 0

J. C. BOSE,
Assistant Comptroller-General (Forests).

Dr. FORM NO. 62A [PRESCRIBED].—*Statement showing Account-Current for the year 1892-93.* Cr.

	Tenasserim circle.	Pegu circle.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
To Cash balance	700 10 10	685 9 0	1,386 3 10
To VIII.—Assessed Taxes—			
Income-tax deductions from salaries	2,503 4 2	5,285 13 10	7,789 2 0
Revenue as per Annual Summary Form No. 61 ...	9,16,111 15 5	32,27,006 2 5	41,43,118 1 10
To Service Funds—			
Civil Fund, Ordinary, Bengal	.....	.....	.....
Civil Fund, Additional, Bengal	.....	.....	.....
Military Fund, Bengal	.....	.....	.....
Military Fund, Madras	.....	.....	.....
Military Orphan Fund, Bengal	.....	.....	.....
Uncovenanted Service Family Pension Fund, Bengal ..	1,234 7 0	1,845 11	3,080 2 0
General Family Pension Fund	.....	.....	.....
Hindu Family Annuity Fund	.....	.....	.....
To Deposits	.....	.....	.....
To Forest Cash Remittances (Local)—			
Forest cheques drawn	4,60,787 6 7	10,83,089 4 11	15,43,875 11 6
Inter-divisional transfers	2,575 11 7	10,580 6 2	13,156 1 9
To Advances recoverable	87,923 2 [illegible]	4,13,397 4 9	5,01,320 7 1
To Suspense	.....	83 9 10	83 9 10
To Account-Current (other Governments)—			
Remittances from Government of India	28,344 0 9	16,454 5 9	44,798 6 6
Remittances from Government of North-Western Provinces and Oudh.	.....	150 0 0	150 0 0
Remittances from Government of Assam	.....	961 6 3	961 6 3
Remittances from Government of Bengal	108 0 0	24 0 0	132 0 0
Remittances from Government of Central Provinces. ...	.....	508 8 3	508 8 3
To Inter-departmental Transfers—			
Public Works Department, Ordinary Branches ...	.....	88 8 0	88 8 0
Military Department, Bengal	615 6 11	35 13 7	651 4 6
To Civil Department—			
Jails	381 4 0	20 6 0	401 10 0
Survey of India Department	115 14 0	591 14 0	707 12 0
Miscellaneous	12,116 1 8	61 13 3	12,177 14 5
Marine Department	121 4 6	.....	121 4 6
Total ...	15,13,638 9 3	47,60,870 9 0	62,74,509 2 3

	Tenasserim circle.	Pegu circle.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
By Expenditure as per Annual Summary Form No. 61 ...	4,47,953 9 10	10,64,923 10 0	15,12,877 4 4
Deposits	.....	.....	.....
By Forest Cash Remittances (Local)—			
Remittances to treasuries	8,97,654 12 4	24,43,594 9 8	33,40,949 6 0
Inter-divisional transfers	1,270 15 2	14,560 8 10	15,831 8 0
By Advances recoverable	1,22,544 10 11	4,39,636 12 10	5,62,181 7 9
Suspense	.....	6 3 11	6 3 11
By Account-Current (other Governments)—			
Remittances to the Government of India	23,518 0 7	30 15 0	23,548 15 7
Remittances to the Government of Madras	.....	1,26,821 5 7	1,26,821 5 7
Remittances to the Government of Central Provinces ...	.....	554 14 11	554 14 11
Remittances to the Government of North-Western Provinces and Oudh.	.....	0 6 8	0 6 8
By Inter-departmental Transfers—			
Public Works Department, State Railways	1,006 7 1	71,368 11 9	72,375 2 10
Public Works Department, Ordinary Branches ...	14 12 0	28,956 9 10	28,971 5 10
Military Department, Madras	147 4 10	.....	147 4 10
Military Department, Bombay	2,618 12 0	.....	2,618 12 0
Civil Department—			
Jails	15,006 11 8	23,283 7 11	38,290 3 7
Miscellaneous	1,211 1 2	112 5 3	1,323 6 5
Telegraph Department	1 9 9	88 8 0	90 1 9
Marine Department	90 0 0	46,688 5 0	46,778 5 0
By Cash balance.	899 13 11	243 1 4	1,142 15 3
Total ...	15,13,638 9 3	47,60,870 9 0	62,74,509 2 3

FORM NO. 63 [PRESCRIBED].—*Statement showing Revenue received and Outstandings on account of Revenue in the Tenasserim and Pegu Circles from 1st April 1892 to 30th June 1893.*

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.	Remarks.
1	2	3	4	5	6	7	8
	TENASSERIM CIRCLE.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. P. A.	
Agency	Timber and other produce, &c.	5,148 4 0	3,96,195 14 3	4,01,344 2 3	3,86,422 8 3	14,921 10 0	
Kado	Ditto	.....	4,87,770 5 5	4,87,770 5 5	4,84,942 13 5	2,827 8 0	
South Tenasserim ...	Ditto	.....	44,849 1 9	44,849 1 9	44,746 9 9	102 8 0	
	Total Tenasserim ...	5,148 4 0	9,28,815 5 5	9,33,963 9 5	9,16,111 15 5	17,851 10 0	
	PEGU CIRCLE.						
Thayetmyo	Timber and other produce	15 0 0	58,200 15 10	58,215 15 10	58,200 15 10	.....	Rupees 15 written off to profit and loss.
Prome	Ditto	.....	40,299 6 9	40,299 6 9	40,299 6 9	.....	
Tharrawaddy	Ditto	.....	1,41,543 7 6	1,41,543 7 6	1,35,031 15 6	6,511 8 0	
Rangoon	Ditto	.....	55,382 15 1	55,382 15 1	55,382 15 1	.....	
Toungoo	Ditto	239 12 9	5,23,312 3 5	5,23,552 0 2	5,23,504 0 2	48 0 0	
Shwegyin	Ditto	.....	63,505 8 3	63,505 8 3	63,505 8 3	.....	
Western	Ditto	.....	1,65,637 5 0	1,65,637 5 0	1,65,605 13 0	31 8 0	
Agency	Ditto	33,158 12 0	22,20,621 11 10	22,53,780 7 10	21,85,475 7 10	68,305 0 0	
	Total Pegu Circle ...	33,413 8 9	32,68,503 9 8	33,01,917 2 5	32,27,006 2 5	74,896 0 0	
	GRAND TOTAL LOWER BURMA ...	38,561 12 9	41,97,318 15 1	42,35,880 11 10	41,43,118 1 10	92,747 10 0	

FORM NO. 64 [PRESCRIBED].—*Statement showing Outstandings and Liabilities on account of Contractors and Disbursers in the Tenasserim and Pegu Circles for the year 1892-93.*

Division.	Department debtor.			Department creditor.			Balance due		Remarks.
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).	
1	2	3	4	5	6	7	8	9	10
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
TENASSERIM CIRCLE.									
Agency	.....	79,581 7 7	79,581 7 7	8,457 5 4	1,11,412 14 6	1,19,870 3 10	40,288 12 3	.....	
Kado	.....	6,285 1 0	6,285 1 0	201 1 2	9,142 2 0	9,343 3 2	3,058 2 2	.....	
South Tenasserim	.....	2,056 9 9	2,056 9 9	979 5 4	1,989 10 5	2,968 15 9	912 6 0	.....	
Total ...	.....	87,923 2 4	87,923 2 4	9,637 11 10	1,22,544 10 11	1,32,182 6 9	44,259 4 5	.....	
PEGU CIRCLE.									
Agency	.....	5,435 12 8	5,435 12 8	1,228 2 3	6,359 7 11	7,587 10 2	2,151 13 6	.....	
Rangoon	4 14 10	51,810 2 2	51,814 15 0	829 3 1	54,952 7 0	55,781 10 1	3,966 11 1	.....	
Tharrawaddy	.....	1,79,637 0 4	1,79,637 0 4	6,641 6 11	2,06,938 13 9	2,13,580 4 8	33,975 7 1	32 2 9(a)	(a) Has been adjusted in the accounts for June 1893.
Prome	.....	34,325 8 8	34,325 8 8	1,047 12 0	36,064 14 1	37,112 10 1	2,787 1 5	.....	
Thayetmyo	.....	21,229 5 7	21,229 5 7	622 9 1	25,057 4 7	25,679 13 8	4,450 8 1	.....	
Western	.....	9,795 5 5	9,795 5 5	295 8 2	11,085 15 4	11,381 7 6	1,536 2 1	.....	
Toungoo	.....	1,00,789 3 5	1,00,789 3 5	19,472 15 0	90,187 13 8	1,09,660 12 8	8,871 9 3	.....	
Shwegyin	.....	10,375 0 6	10,375 0 6	3,600 0 0	8,990 0 6	12,590 0 6	2,215 0 0	.....	
Total ...	4 14 10	4,13,397 4 9	4,13,402 3 7	33,737 8 6	4,39,636 12 10	4,73,374 5 4	60,004 4 6	32 2 9	

J. C. BOSE,
Assistant Comptroller-General (Forests.)

FORM No. 65 [PRESCRIBED].—*Statement showing the Financial Results in the Tenasserim and Pegu Circles from 1st April 1892 to 30th June 1893.*

Division.		Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection, and improvement of forests.	Total.		Remarks.
		Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
1		2	3	4	5	6	7	8	9
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	TENASSERIM CIRCLE.								
Tenasserim	West Salween	63,686	46,604	3,665	8,176	28,803	67,351	83,588	
	Salween-Attaran	2,48,291	1,27,906	70,780	14,565	59,172	3,19,071	2,01,643	
	Kado	16,067	14,723	4,68,876	97,056	.....	4,84,943	1,11,779	
	Agency	.....	15,352	.....	11,093	.....	.....	26,445	
	South Tenasserim	5,339	5,832	39,408	10,391	8,276	44,747	24,499	
	Total ...	3,33,383	2,10,417	5,82,729	1,41,281	96,256	9,16,112	4,47,954	
	PEGU CIRCLE.								
Pegu	Thayetmyo	78,332	31,973	41,020	9,594	14,026	1,19,352	55,593	
	Prome	1,58,768	42,478	26,393	11,567	27,226	1,85,161	81,271	
	Tharrawaddy	10,19,333	2,83,091	1,05,118	18,154	52,135	11,24,451	3,53,380	
	Rangon	2,68,604	1,00,802	41,046	15,921	24,513	3,09,650	1,41,236	
	Toungoo	6,25,342	2,23,572	5,09,013	17,645	43,578	11,34,355	2,84,795	
	Shwegyin	98,785	52,774	56,937	9,961	10,539	1,55,722	73,265	
	Western	21,936	34,812	1,44,698	27,428	13	1,66,634	62,253	
	Agency	5,643	6,637	26,038	6,474	.....	31,681	13,131	
	Total ...	23,76,743	7,76,159	9,50,263	1,16,744	1,72,021	32,27,006	10,64,924	
	GRAND TOTAL LOWER BURMA ...	26,10,126	9,86,576	15,32,992	2,58,025	2,68,277	41,43,118	15,12,878	

APPENDIX A.

Statement showing the Cost of Feed of Elephants of the Forest Department for the year 1892-93 as compared with that of the Commissariat Department for the same period.

Division.	Number of elephants at commencement of the year.	Casualities during the year.	Number of elephants at close of the year.	Cost of feed.	Cost of keep including gear, &c.	Cost of medicines.	Total expenditure for the year.	Average monthly cost per animal of the Forest Department.	Average monthly cost per animal of the Commissariat Department.	Amount paid by officers for carriage elephants.	Value of labour in cash receipts and work performed.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
TENASSERIM CIRCLE.				Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Agency	2	...	2	1,514 12 6	759 2 3	.....	2,273 14 9	39 11 9	(b)	.....	3,302 0 0	(a) Includes a calf.
Salween-Attaran	7	...	7(a)	.....	2,544 6 4	.....	2,544 6 4			279 0 0	1,179 0 0	(b) No comparison can be made as there were no Commissariat elephants maintained at Moulmein during the year.
West Salwen	1	...	1	.....	390 0 0	.....	390 0 0			.....	163 0 0	
Kado	1	...	2*	.....	513 6 6	.....	513 6 6			26 0 0	.....	
Total ...	11	...	12*	1,514 12 6	4,206 15 1	.....	5,721 11 7	.....	.....	305 0 0	4,644 0 0	

* One elephant purchased for the Divisional Officer.

Statement showing the Cost of Feed of Elephants of the Forest Department for the year 1982-93 as compared with that of the Commissariat Department for the same period.

Division.	Number of elephants at commencement of the year.	Number of elephants received during the year.	Casualties during the year.	Transferred to other divisions during the year.	Number at close of the year.	Cost of feed.	Cost of keep including gear.	Cost of medicines.	Total expenditure for the year.	Average monthly cost per animal of the Forest Department.	Average monthly cost per animal of the Commissariat Department.	Amount paid by officers for carriage elephants.	Value of labour in cash receipts and work performed.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PEGU CIRCLE.						Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Thayetmyo	2	...	...	...	2	.....	779 0 0	17 6 0	796 6 0			149 0 0	596 0 0	
Prome	11	...	...	9	2	.....	778 0 0	17 11 9	795 11 9			365 0 0	656 0 0	
Tharrawaddy	3	...	...	...	3	.....	1,317 12 11	9 8 0	1,327 4 11			223 8 0	1,676 0 0	
Rangoon	2	1	...	...	3*	.....	687 14 1	20 3 0	708 1 1			106 0 0	424 0 0	* Besides a calf.
Toungoo	3	11	...	...	14	.....	5,241 9 8	76 11 0	5,318 4 8	40 12 2	87 8 7	583 0 0	5,364 0 0	
Shwegyin	2	...	...	...	2	5 14 0	881 4 7	10 8 0	897 10 7			162 0 0	648 0 0	
Western	3	...	...	...	3	.....	1,135 3 6	4 0 0	1,139 3 6			65 0 0	461 12 0	
Agency	12	...	...	3	9	6,932 4 3	5,034 7 10	284 5 0	12,251 1 1			152 0 0	36,911 11 0	
Total ...	38	12	...	12	38	6,938 2 3	15,855 4 7	440 4 9	23,233 11 7	.....	.....	1,805 8 0	46,737 7 0	
GRAND TOTAL LOWER BURMA ...	49	12	...	12	50	8,452 14 9	20,062 3 8	440 4 9	28,955 7 2	.....	.....	2,110 8 0	51,381 7 0	

APPENDIX B.

List of Buildings of which the cost exceeds Rs. 200 in Lower Burma.

Division.	No.	Name of building.	Station.	Remarks.
		TENASSERIM CIRCLE.		
		(a) On which no rent is paid.		
Agency	1	Forest office	Moulmein.	
	3	Elephant-sheds		
	1	Paddy-shed		
Salween-Attaran	1	Rest-house	Natchaung.	
	1	Guard-house	Nanlè.	
	4	Guard-houses	Moulmein.	
	1	Rest-house	Gyaing on the Haungtharaw.	
	1	Bungalow	Kawkareik.	
	1	Rest-house	Mepalè.	
	1	Guard-house	Gyaing.	
South Tenasserim	1	Forest office	Mergui.	
	1	Guard-house	Tavoy.	
Kado	1	Guard-house	Martaban.	
	1	Guard-house	Moulmein.	
	3	Officers' and two out houses ...	Kado.	
	1	Lascar's house		
	1	Upper guard-house ...		
	1	Lower guard-house ...		
	1	Coal-shed	Battery point.	
	1	Bungalow	Shwegyin.	
	1	Forest Ranger's quarters ...		
West Salween	1	Rest-house	Kyunchaung.	
		(b) On which rent is paid.		
Salween-Attaran	1	Bungalow	Kawkareik.	
		PEGU CIRCLE.		
		(a) On which no rent is paid.		
Prome	5	Rest-houses	Kadinngasin, Taunglè, Themè, Kwingyi, and Taungamauk.	
	1	Forest bungalow	Paungdè.	
	1	Ranger's quarters	Kadinngasin.	
	1	Elephant-shed	Migyaungyè.	
Tharrawaddy	1	Forest office	Tharrawaddy.	
	9	Rest-houses	Wè, Seywa, Yetho, Kangyi, Hmawin, Kunzan, Bawbin, Myanlè, and Kwèmakaing.	
Rangoon	1	Forest bungalow	Pegu.	
	3	Revenue stations	Taikkyi, Hlègu, and Pegu.	
	2	Rest-houses	Palôn and Kinpadi.	
Toungoo	1	Forest office	Toungoo.	
	6	Rest-houses	Tabetkwè, Zibyubin, Banlwè-bin, Minyè, Pathechaung, and Pyunchauug.	
	1	Depôt gaung's quarters ...	Toungoo.	
Shwegyin	1	Rest-house	Myitkyo.	
	2	Depôt gaungs' quarters ...		
	3	Depôt gaungs' and peons' quarter.	Inbalwè.	
Agency	1	Officer's quarters	Kemmendine.	
	1	Overseer's house		
	6	Guard-houses		
	1	Mahout's quarters		
	1	Elephant shed		
	1	Seasoning-shed		
		(b) On which rent is paid.		
Thayetmyo	1	First class bungalow ...	Thayetmyo.	
Prome	1	Forest bungalow	Prome.	
Tharrawaddy	1	First class bungalow ...	Tharrawaddy.	
Toungoo	1	First class bungalow ...	Toungoo.	
Shwegyin	1	First class bungalow ...	Shwegyin	Incomplete.

APPENDIX C.

Statement showing the Exports of Timber and other Forest Produce from the Port of Rangoon during the period of 15 months 1892-93 (Private and Government).

Articles and countries to which exported.		Rangoon. Quantity.	Rangoon. Value.
			Rs.
Wood—			
Teak—			
To United Kingdom ...	C. tons	34,807	35,72,985
„ France—Marseilles ...	„	420	49,400
„ Germany—Bremen, Bremerhaven, and Hamburg ...	„	27	2,700
„ Spain—Gibraltar and Cadiz ...	„	1,400	1,50,000
„ Egypt—Port Said ...	„	674	68,270
„ Mauritius ...	„	13	1,464
„ Ceylon ...	„	5,805	3,86,533
„ Straits Settlements ...	„	159	17,059
„ South Australia ...	„	13	1,300
„ Bengal—Calcutta ...	„	12,520	8,26,190
„ Bengal—other ports ...	„	256	21,445
„ Bombay—chief ports ...	„	28,438	17,34,671
„ Sind ...	„	2,850	1,71,000
„ Madras—chief ports ...	„	14,448	9,79,337
„ Madras—other ports ...	„	6,178	4,86,857
„ Provincial ports ...	„	672	67,495
„ Pondicherry ...	„	457	32,860
Total ...		109,137	85,69,566
Other timber—			
To United Kingdom ...	Tons	40	3,600
„ Egypt—Port Said ...	„	10	700
„ Bengal—Calcutta ...	„	240	9,345
„ Bengal—other ports ...	„	4	162
„ Bombay—Bombay ...	„	.....	.....
„ Sind ...	„	.....	.....
„ Madras—Madras ...	„	11	700
„ Madras—other ports ...	„	29	1,633
„ Provincial ports ...	„	41	1,262
„ Pondicherry ...	„	10	600
„ Straits Settlements ...	„	5	300
Total ...		390	18,302
Firewood—			
To Provincial ports ...	Tons	.....	.....
Sandalwood—			
To Bengal—Calcutta ...	Value	.....	300
„ Provincial ports ...	„	.....	890
Total ...		.....	1,190
Teak Railway keys—			
To United Kingdom ...	Cwt.	400	1,200
„ Bengal—Calcutta ...	„	2,585	7,050
„ Bombay—Bombay ...	„	.....	.....
„ Madras—chief ports ...	„	989	3,480
Total ...		3,974	11,730
Wooden sleepers—			
To Bengal—Calcutta ...	Cwt.	17,155	46,325
„ Bengal—other ports ...	„	30,420	91,260
„ Sind ...	„	240	720
„ Madras—Madras ...	„	4,562	17,371
„ Madras—other ports ...	„	153,162	4,59,801
Total ...		205,539	6,15,477
Manufacture of—			
To United Kingdom ...	Value	.....	685
„ Malta ...	„	.....	.....
„ Egypt ...	„	.....	400
„ Mauritius ...	„	.....	.....
„ Ceylon ...	„	.....	2,115
„ Siam ...	„	.....	103
„ Straits Settlements ...	„	.....	2,711
„ Bengal—Calcutta ...	„	.....	3,669
„ Bengal—other ports ...	„	.....	1,453
„ Bombay—Bombay ...	„	.....	61
„ Madras—Madras ...	„	.....	1,975
„ Madras—other ports ...	„	.....	36,768
„ Provincial ports ...	„	.....	21,682
„ Pondicherry ...	„	.....	76,471
Total ...		.....	1,48,093
Gums and Resins—			
Cutch and Gambier—			
To United Kingdom ...	Cwt.	122,274	21,59,415
„ France—Havre and Marseilles ...	„	3,100	54,650
„ Germany—Hamburg ...	„	2,926	41,116
„ Holland ...	„	4,611	83,866
„ Italy ...	„	700	11,900
„ Spain—Barcelona ...	„	850	17,300
„ Egypt—Port Said ...	„	6,802	1,21,412
„ Ceylon ...	„	659	16,321
„ Straits Settlements ...	„	21,221	3,60,205
„ China—Hongkong ...	„	174	3,328
„ New South Wales ...	„	1	15
„ Bengal—Calcutta ...	„	131,325	20,14,134
„ Bengal—other ports ...	„	34	918
„ Bombay—Bombay ...	„	19,020	3,52,800
„ Madras—Madras ...	„	2,988	70,744
„ Madras—other ports ...	„	1,817	46,172
„ Provincial ports ...	„	194	5,002
Total ...		318,696	53,50,298

APPENDIX C—concluded.

Statement showing the Exports of Timber and other Forest Produce from the Port of Rangoon, &c.—concluded.

Articles and countries to which exported.		Rangoon. Quantity.	Rangoon. Value.
			Rs.
LAC—			
Stick—			
To United Kingdon	Cwt.	385	12,790
" Straits Settlements	"	34	1,019
" Bengal—Calcutta	"	8,388	1,96,635
" Bengal—other ports	"	3	200
" Madras—Madras	"	2,449	72,632
" Provincial ports	"	472	14,793
" Madras—other ports	"	683	17,330
Total	...	12,414	3,15,309
OILS—			
Wood—			
To Bengal—Calcutta	Gallons	8	3
" Madras—Madras	"	8,616	11,395
" Madras—other ports	"	1,455	1,182
" Provincial ports	"	.....	.....
" United Kingdom	"	16	16
" Straits Settlements	"	76	100
" Bombay—chief ports	"	155	143
Total	...	10,326	12,839

APPENDIX C.

Statement showing the Imports of Timber and other Forest Produce into the Port of Rangoon during the period of 15 months, 1892-93 (Private and Government).

Articles and countries from which imported.		Rangoon. Quantity.	Rangoon. Value.
			Rs.
WOOD—			
Teak—			
From Bengal—other ports	Cubic tons	25	1,410
" Provincial ports	"	2,866	2,25,467
Total	...	2,891	2,26,877
Other timber—			
From United Kingdom	Tons	38	2,127
" Belgium	"	2	200
" United States—New York	"	2	100
" Straits Settlements	"	272	24,365
" Bengal—other ports	"	438	21,726
" Madras—other ports	"	1	50
" Provincial ports	"	2,345	1,12,588
Total	...	3,098	1,61,156
Firewood—			
From Siam	Tons	112	1,100
" Straits Settlements	"	730	7,420
" Provincial ports	"	58	663
Total	...	900	9,183
Sandalwood—			
From Straits Settlements	Value	.....	26
" Bengal—Calcutta	"	.....	275
" Bombay—Bombay	"	.....	23,355
" Madras—Madras	"	.....	7,499
" Provincial ports	"	.....	3,588
" Pondicherry	"	.....	50
Total	...	.....	34,793
Manufactures of—			
From United Kingdom	Value	.....	22,783
" Belgium	"	.....	4,880
" Germany	"	.....	5,020
" Ceylon	"	.....	250
" Straits Settlements	"	.....	1,06,214
" Bengal—Calcutta	"	.....	6,142
" Bengal—other ports	"	.....	9,309
" Bombay—Bombay	"	.....	315
" Madras—Madras	"	.....	481
" Madras—other ports	"	.....	1,122
" Provincial ports	"	.....	62,906
Total	...	.....	2,19,422
GUMS AND RESINS—			
Cutch and Gambier—			
From Straits Settlements	Cwt.	6	140
" Bengal—Calcutta	"	122	2,777
" Provincial ports	"	209	3,010
Total	...	337	5,927
LAC—			
Stick—			
From Bengal Calcutta	Cwt.	4	98
" Provincial ports	"	38	1,090
Total	...	42	1,188
OIL—			
Wood—			
From Straits Settlements	Gallons	1,515	2,737
" Madras—Madras	"	56	90
" Madras—other ports	"	840	560
" Provincial ports	"	12,635	3,932
Total	...	15,046	7,319

APPENDIX C (1).

Statement showing the Exports of Teak Timber from Moulmein for the year 1892-93.

Countries to which exported.	Quantity.	Value.
1	2	3
		Rs.
United Kingdom	17,216	17,12,528
Germany	34	4,865
Egypt	2,541	2,52,302
Mauritius	521	41,597
Ceylon	434	35,763
Straits Settlements	41	3,493
Bengal—Calcutta	24,042	16,10,538
Bengal—other ports	59	6,037
Bombay—Bombay	51,671	29,36,102
Sind—Karachi	10	681
Madras—Madras	769	43,357
Madras—other ports	5,798	3,49,980
Provincial ports	2,772	2,19,931
Pondicherry	942	50,318
Total ...	1,06,850	72,57,412.

APPENDIX C (2-a).

Statement showing the Exports of Shingles, Railway Keys, and Woods of other kinds from Moulmein, Tavoy, and Mergui for the year 1892-93.

Articles.	Whither exported.	Moulmein.		Tavoy.		Mergui.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6	7	8
			Rs.		Rs.		Rs.
Teak shingles, staves, and ventilators.	United Kingdom	...	969	...	...	...	...
	Malta	...	208	...	...	...	...
	Egypt	...	2,657	...	...	...	...
	Mauritius	...	32,342	...	...	..	...
	Straits Settlements	...	21,355	...	...	...	...
	Bengal—Calcutta	...	48,367	...	...	...	...
	Madras—other ports	...	1,025	...	...	...	...
	Provincial ports	...	47,691	...	...	...	...
Teak Railway keys.	Bombay—Bombay	7,331	21,860	...	...	...	...
	Bengal—Calcutta	1,360	4,369	...	...	...	...
Other timber	United—Kingdom	10	624	...	...	...	...
	Egypt	66	3,245	...	...	...	...
	Bengal—Calcutta	3,014	1,23,551	134	6,965	...	...
	Bombay—Bombay	398	15,595	...	...	...	...
	Sind—Karachi	1,846	1,33,160	...	...	...	...
	Madras—other ports	360	13,703	...	...	...	...
	Provincial ports	2,456	99,236	102	2,978	Thingan-hulls 2	3,000
	Pondicherry	4	159	...	...	...	...
Sleepers ...	Provincial ports	...	...	...	...	41	140

APPENDIX C (2-b).

Statement showing the Exports of Boat Hulls and other Timber from the Port of Tavoy for the years 1891-92 and 1892-93.

Articles.	Whither exported.	1891-92.		1892-93.	
		Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6
			Rs.		Rs.
Boat hulls	Provincial ports	121	1,43,450	138	2,04,130
Other timber	Bengal—Calcutta	432	16,445	134	6,965
	Provincial ports	113	3,785	102	2,978
	Total ...	...	1,63,680	...	2,14,073

APPENDIX C (3).

TENASSERIM CIRCLE.

Statement showing the Exports of Minor Forest Produce from the Ports of Moulmein, Tavoy, and Mergui for the year 1892-93.

Articles.	Whither exported.	Moulmein.		Tavoy.		Mergui.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
1	2	3	4	5	6	7	8
			Rs.		Rs.		Rs.
Cutch and gambier	Bombay ... ... Cwt.	170	2,188	...	...	...	...
	Provincial ports ... "	209	3,015	...	...	...	...
Lac	Provincial ports ... "	5	150	...	...	...	...
Wood-oil ...	Ditto ... ... Gallons	100	50	...	...	17,713	6,785
Bark for tanning ...	Ditto ... ... Cwt.	...	...	2,540	420	5,950-2-22	3,652
Ondôn bark ...	Ditto ... ... "	...	...	2,405	5,574	2,128-2-24	455
Cardamoms ...	Ditto ... ... "	...	...	467	21,777	299-0-21	9,920
Dammer torches ...	Ditto ... ... No.	...	...	500	20	1,030,900	25,872
Kanyinthi fruit ...	Ditto ... ... Baskets	...	...	1,033	1,083	...	...
Chestnuts	Ditto ... ... "	...	...	102	134	...	...
Orchids	Ditto ... ... "	...	...	24	96	...	...
Walnuts	Ditto ... ... "	...	...	214	214	...	...
Akyaw	Ditto ... ... Cwt.	...	...	...		126-2-27	10,340
Canes	Ditto ... ... Nos.	...	...	...	...	1,360,800	56,519
Red wood	Ditto ... ... Cwt.	...	...	...	...	5,118-2-8	8,052
Kalawè leaves	Ditto ... ... "	...	...	...	...	26-0-7	48
Kalawè fruit	Ditto ... ... "	...	...	...	...	8-1-25	156
Dap[illegible]	Ditto ... ... "	...	...	...	...	24-1-21	150
Honey	Ditto ... ... "	...	...	...	...	185-0-7	3,105
Fibre	Ditto ... ... "	...	...	...	...	13-0-0	48
Guano	Ditto ... ... "	...	...	...	...	1,145-1-1	1,330

APPENDIX D.

TENASSERIM CIRCLE.

Statement of Teak Trees Girdled during the Season, 1892-93.

Division.	Girdling officer.	Revising officer.	Forest district.	Locality.	Number of teak trees girdled.	Remarks.
1	2	3	4	5	6	7
Kado	Mr. A. Weston, Deputy Conservator of Forests.	.....	Lower Dôndami ...	Myaingalè forest ...	416	
				Kyunmathwe forest ...	84	
				Total ...	500	

PEGU CIRCLE.

Statement of Teak Trees Girdled during the Season, 1892-93.

Division.	Girdling officer.	Revising officer.	Range.	Forest district.	Locality.	Number of trees girdled.	Total.	Remarks.
1	2	3	4	5	6	7	8	9
Thayetmyo.	Maung Yan, Forest Ranger.	Mr. H. B. Anthony, Deputy Conservator of Forests.	Mycdè ...	Bangôn and Shwelaung.	The south bank of the Bangôn stream.	43		
					The north bank of—			
					Shwelaung Natamyaung	89		
					Sinhitmyaung ...	254		
					Kywetèmyaung ...	214		
					Total Thayetmyo ...	...	600	Outside reserve.
Prome.	Maung Aung, Forest Ranger.	Mr. C. H. Hobart-Hampden, Deputy Conservator of Forests.	Nawin ...	Prome ...	Middle Nawin ...	500	...	Ditto.
	Mr. C. H. Hobart-Hampden, Deputy Conservator of Forests.	.....	Shwele ...	Shwele Working circle.	Compartment No. 8 ...	1,164		
					Total Prome ...	...	1,664	
				Taungnyo Working circle.	Compartment No. 22 ...	424		
					Compartment No. 23 ...	401		
					Compartment No. 90 ...	470		
					Total Taungnyo ...	1,295		
Tharrawaddy.	Maung Kalè, Extra Assistant Conservator of Forests.	.....	.....	Bawbin Working circle.	Compartment No. 7 ...	210		
					Compartment No. 89 ...	719		
					Compartment No. 103 ...	693		
					Total Bawbin ...	1,622		
					Carried forward ...	2,917		

APPENDIX D—concluded.

PEGU CIRCLE—concluded.

Statement of Teak Trees Girdled during the Season, 1892-93.

Division.	Girdling officer.	Revising officer.	Ranger.	Forest district.	Locality.	Number of trees girdled.	Total.	Remarks.
1	2	3	4	5	6	7	8	9
Tharrawaddy—*concluded.*	Maung Tha Din, Forest Ranger.	Mr. H. Slade, Deputy Conservator of Forests.	...	Gamôn working circle	Brought forward ...	2,917		
					Compartment No. 70 ..	172		
					Compartment No. 71 ...	155		
					Compartment No. 72 ...	26		
					Compartment No. 73 ...	156		
					Compartment No. 75 ...	210		
					Total Gamôn ...	729		
				Minhla working circle.	Compartment No. 20 ...	26		
					Compartment No. 21 ...	48		
					Compartment No. 22 ...	250		
					Total Minhla ...	324		
	Maung Wè, Extra Assistant Conservator of Forests.	.....	Thônzè...	Môkka Working circle.	Compartment No. 37 ...	268		
				Kadin-Bilin Working circle.	Compartment No. 34 ...	393		
					Compartment No. 35 ...	142		
					Compartment No. 37 ...	539		
					Total Kadin-Bilin ...	1,074		
				Kôn-Bilin Working circle.	Compartment No. 33 ...	218		
				Thônzè Working circle.	Compartment No. 17 ...	145		
					Compartment No. 26 ...	107		
					Total Thônzè ...	252		
	Maung Kaè, Extra Assistant Conservator of Forests.	Mr. G. Q. Corbett, Deputy Conservator of Forests.	...	.....	Chaungzauk Working circle	522		
		Mr. H. Slade, Deputy Conservator of Forests.	...	Kangyi Working circle.	Compartment No. 1 ...	40		
					Compartment No. 2 ...	36		
					Compartment No. 3 ...	30		
					Compartment No. 25 ...	14		
					Compartment No. 26 ...	10		
					Total Kangyi ...	130		
					Total Tharrawaddy ...	...	6,434	
Rangoon.	Mr. W. F. L. Tottenham, officiating Deputy Conservator of Forests, and Mr. J. T. Jellicoe.	Mr. J. T. Jellicoe, Deputy Conservator of Forests.	Zamayi ...	Pegu ...	Kadet reserve, Bomin stream.	500		
	Maung Tha Ka Do, Forest Ranger.	ditto ...	do ...	do ...	North Zamayi reserve—Karen area No. I ...	375		
					Karen area No. II ...	425		
					Total Rangoon ...	...	1,300	Inaid reserve.
Toungoo.	Maung Yaing, Forest Ranger.	Mr G. Q. Corbett, Deputy Conservator of Forests.	Thagaya...	.....	Waye ...	4,070		
	Maung Chit Su, Forest Ranger.	ditto ...	Zeyawadi...	.....	North of Kabaung ...	1,234		
					South of Kabaung ...	228		
	Maung Kyaing, Forest Ranger.	ditto ...	Bônmadi...	.....	Myitagan stream ...	593		
					Meywa stream ..	1,110		
					Gwè stream ...	209		
					Total ...	7,444		
					Chaungmagnè feeder of—Kabaung ...	822	...	Ungirdled trees of 1891-92.
					Total Toungoo ...	...	8,266	Outside reserve.
Shwegyin.	Maung Yaung Ni, Forest Ranger.	Mr. G. F. R. Blackwell, Deputy Conservator of Forests.	Bawni ...	Yenwè ...	East bank of Yenwè stream, outside Yenwè reserve, from south bank watershed of the Udo stream to the Kayu stream.	695		
				Zaha ...	Outside the proposed Zaha-Baingda reserve, between the Kunmyaung on the Yenwè stream and Kyat stream, feeder of the Zaha stream on the Pein stream.	265		
					Total Shwegyin ...	...	960	Outside reserve.
					Total Pegu Circle ...	...	19,224	

APPENDIX E.

Statement showing Outturn of Foreign Timber for the five years 1888-89 to 1892-93.

Name of foreign State.	1888-89.						1889-90.						1890-91.					
	Full-sized.	Tons.	Under-sized.	Tons.	Stem pieces.	Tons.	Full-sized.	Tons.	Under-sized.	Tons.	Stem pieces.	Tons.	Full-sized.	Tons.	Under-sized.	Tons.	Stem pieces.	Tons.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Karenni	66,358	6,730	6,400	6,000	1,387	700	41,427	36,455	6,862	4,111	1,101	464	29,829	28,039	4,379	3,240	1,037	503
Mèhan	935	930	...	...	13	6	1,270	1,066	...	...	...	...	2,015	1,894	36	27	12	7
Kyaingtaung	6,365	6,200	865	700	1,210	600	8,339	7,338	1,009	605	2,610	1,096	9,267	8,711	805	596	1,159	561
Mhaingtôngyi	15,049	16,300	1,333	1,200	852	500	8,711	7,665	930	558	756	317	9,352	8,791	2,120	1,569	1,380	668
Thaungyin	11,087	11,200	8,582	8,300	870	500	19,015	16,733	10,050	6,030	3,648	1,532	16,365	15,383	12,831	9,495	1,760	852
Dagwin	480	600	627	600	38	20	1,750	1,540	464	278	34	14	1,585	1,400	589	436	56	29
Zimmè	4,323	4,400	343	300	250	130	3,283	2,889	174	105	354	149	2,904	2,730	255	189	106	53
Mèhaungthun	7,893	8,900	293	200	52	29	8,810	7,752	162	97	30	12	11,889	11,176	235	173	93	47
Maingpan	...	...	...	...	...	...	1,030	906	240	143	120	50	1,604	1,508	162	120	60	31
Mônpè	149	140	...	...	...	...	30	26	27	16	...	...	...	...	...	...	...	...
Maingtun	...	...	...	...	...	...	307	270	1	...	284	119	1,470	1,382	36	27	127	63
Ningyan	...	...	...	...	...	...	396	348	349	209	49	20	1,761	1,655	70	51	28	14
Maukmè	...	...	...	...	...	...	...	...	...	...	...	...	532	500	45	33	4	3
Maingpu	...	...	...	...	...	...	...	...	...	...	...	...	164	154	36	27	42	22
Maingkyut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kyaingkhan	...	...	...	...	...	...	...	...	...	...	...	...	119	112	...	...	3	2
GRAND TOTAL ...	112,639	55,400	18,444	17,300	4,672	2,485	94,368	82,988	20,268	12,152	8,986	3,773	88,856	83,435	21,369	15,983	5,867	2,855

Statement showing Outturn of Foreign Timber for the five years 1888-89 to 1892-93—concluded.

Name of foreign State.	1891-92. Full sized.	Tons.	Under-sized.	Tons.	Stem pieces.	Tons.	1892-93. Full-sized.	Tons.	Under-sized.	Tons.	Stem pieces.	Tons.
1	20	21	22	23	24	25	26	27	28	29	30	31
Karenni	18,579	17,684	8,134	6,343	598	370	30,673	22,556	13,093	4,796	1,033	372
Mèhan	1,058	1,013	27	20	4	2	62	48	36	12	6	2
Kyaingtaung	5,049	[illegible]	646	502	290	176	12,538	9,712	2,091	753	302	102
Mhaingtôngyi	12,382	11,863	3,026	2,349	1,929	1,190	6,908	5,311	3,565	1,428	1,452	580
Thaungyin	3,230	3,090	8,770	6,830	1,530	943	2,136	1,262	6,958	1,819	1,435	373
Dagwin	980	936	1,230	948	40	24	1,276	774	1,982	605	75	22
Zimmè	2,991	2,869	336	251	37	22	1,353	1,293	70	26	20	7
Mèhaungthun	3,765	3,609	81	62	935	574	16,145	13,087	1,442	524	987	355
Maingpan	1,465	1,403	504	383	79	48	2,829	2,042	1,168	357	536	150
Mônpè	595	566	...	...	125	77	382	280	9	4	...	...
Maingtun	840	802	187	145	185	114	1,192	806	455	137	73	17
Ningyan	2,426	2,336	344	260	624	381	260	218	20	14	90	57
Maukmè	937	895	147	113	47	26	2,464	1,917	364	129	45	15
Maingpu	72	68	15	11	25	15	219	139	104	33	87	24
Maingkyut	6	5	8	6	...	...	...	...	...	...	...	...
Kyaingkhan	...	...	...	...	...	...	191	140	36	23	...	...
GRAND TOTAL ...	54,375	51,980	23,455	18,223	6,448	3,962	78,628	59,585	31,393	10,660	6,141	2,076

Comparison of percentage of increase as compared with percentage of increase or decrease of the previous year.

		1891-92. Increase per cent.	Decrease per cent.	1892-93. Increase per cent.	Decrease per cent.
32					
Karenni ...	Full-sized	...	38	65	...
	Under-sized	86	...	61	...
	Stem pieces	...	41	73	...
Mèhan ...	Full-sized	...	47	...	94
	Under-sized	...	25	33	...
	Stem pieces	...	67	50	...
Kyingtaung ...	Full-sized	...	46	148	...
	Under-sized	...	20	224	...
	Stem pieces	...	75	4	...
Mhaingtôngyi ...	Full-sized	32	...	...	44
	Under-sized	43	...	18	...
	Stem pieces	40	...	...	25
Thaungyin ...	Full-sized	...	80	...	34
	Under-sized	...	32	...	21
	Stem pieces	...	13	...	6
Dagwin ...	Full-sized	...	38	30	...
	Under-sized	109	...	61	...
	Stem pieces	...	29	87	...
Zimmè ...	Full sized	3	...	...	55
	Under-sized	32	...	...	79
	Stem pieces	...	65	...	46
Mèhaungthun ...	Full-sized	...	68	329	...
	Under-sized	...	66	1,683	...
	Stem pieces	905	...	6	...
Maingpan ...	Full-sized	...	9	93	...
	Under-sized	211	...	132	...
	Stem pieces	32	...	578	...
Mônpè ...	Full-sized	...	...	...	36
	Under-sized	...	...	...	...
	Stem pieces	...	...	...	...
Maingtun ...	Full-sized	...	43	42	...
	Under-sized	419	...	143	...
	Stem pieces	46	...	...	61
Ningyan ...	Full-sized	38	...	...	89
	Under-sized	391	...	...	94
	Stem pieces	2,057	...	...	86
Maukmè ...	Full-sized	76	...	162	...
	Under-sized	205	...	148	...
	Stem pieces	430	...	...	4
Maingpu ...	Full-sized	...	56	207	...
	Under-sized	...	58	593	...
	Stem pieces	...	40	248	...
Maingkyut ...	Full-sized, Under-sized, Stem pieces — Not worded in 1892-93 ...	...	...	...	...
Kyaingkhan ...	Full-sized, Under-sized, Stem pieces — Not worked in 1891-92 ...	...	...	...	...

APPENDIX F.

Statement showing the Exports of Timber and other Forest Produce from the Port of Moulmein from 1st April 1892 to 30th June 1893 (Private and Government).

Articles and countries to which exported.		From Moulmein.	
		Quantity.	Value.
1		2	3
Wood—			Rs.
Teak—			
To United Kingdom ...	Tons	17,316	17,12,588
,, Germany ...	,,	34	4,865
,, Egypt ...	,,	2,541	2,52,302
,, Mauritius ...	,,	521	41,597
,, Ceylon ...	,,	434	25,763
,, Straits Settlements	,,	41	3,493
,, Bengal—Calcutta ...	,,	24,042	16,10,538
,, Bengal—other ports	,,	59	6,037
,, Bombay—Bombay ...	,,	51,671	29,36,108
,, Sind—Karachi ...	,,	10	681
,, Madras—Madras ...	,,	769	43,357
,, Madras—other ports	,,	5,798	3,49,900
,, Provincial ports ...	,,	2,772	2,19,931
,, Pondicherry ...	,,	942	30,318
Total ...		106,850	72,57,412
Other timber—			
To United Kingdom ...	Tons	10	624
,, Egypt ...	,,	66	3,245
,, Bengal—Calcutta ...	,,	3,014	1,23,551
,, Bombay—Bombay ...	,,	398	15,595
,, Sind—Karachi ...	,,	1,846	1,23,160
,, Madras—other ports	,,	360	13,703
,, Provincial ports ...	,,	2,456	99,236
,, Pondicherry ...	,,	4	159
Total ...		8,154	3,79,273
Firewood—			
To Provincial ports ...	Tons	15	150
Sandalwood—			
To Provincial ports ...	Value	.....	40
Teak Railway keys—			
To Bengal—Calcutta ...	Cwt.	1,360	4,369
,, Bombay—Bombay ...	,,	7,331	21,860
Total ...		8,691	26,229
Wooden sleepers—			
To Bengal—Calcutta ...	Cwt.	8,370	21,090
,, Sind—Karachi ...	,,	74,921	2,34,946
,, Madras—other ports	,,	1,201	4,562
Total ...		84,492	2,60,598
Wood, Manufactures of—			
To United Kingdom ...	Value	.....	969
,, Malta ...	,,	.....	208
,, Egypt ...	,,	.....	5,657
,, Mauritius ...	,,	.....	32,342
,, Straits Settlements	,,	.....	21,355
,, Bengal—Calcutta ...	,,	.....	48,367
,, Madras—other ports	,,	.....	1,025
,, Provincial ports ...	,,	.....	47,691
Total ...		.....	1,57,614
Gums and Resins—			
Cutch and Gambier—			
To Bombay—Bombay ...	Cwt.	170-0-0	2,188
,, Provincial ports ...	,,	209-1-7	3,015
Total ...		379-1-7	5,203
Lac—			
Stick—			
To Provincial ports ...	Cwt.	5	150
Oils—			
Wood—			
To Provincial ports ...	Galls.	100	50

APPENDIX H.

Statement showing Timber entered and names of Importers who have imported Timber from 1,000 logs and upwards for the year 1892-93.

No.	Name.	Number of logs.
1	2	3
1	Ko Lu Galè	11,094
2	Ma Taw	7,810
3	Maung Myo	6,811
4	Ko Pôn	6,634
5	Maung Shwe O	5,167
6	Messrs. Hadji Mahomed Usuf and Co.	5,133
7	Ko Tha Nyin	4,759
8	Ko On	4,054
9	Ko Na Auk	3,125
10	Maung Dun	2,890
11	Maung Kyan	2,032
12	Maung Pan	1,825
13	Ko Kyè	1,141

APPENDIX I.

Statement showing the names of the Principal Exporters from the 1st April 1892 to 31st March 1893.

Name of firm.	Tons.	Remarks.
1	2	3
Messrs. The Bombay Burma Trading Corporation, Limited	31,836	There were in all 131,001 tons of timber shipped from this port including Government, petty shippers, Chetties, &c.
Babu Bhugwan Dass, *Rai Bahadur*	14,440	
Babu Bullab Dass	12,612	
Messrs. T. D. Findlay, Bodeker and Co.	9,563	
Messrs. Ferdinand Foucar and Co.	8,581	
Babu Memraj Murlidhur	5,686	
Mr. E. Dinshaw	5,624	
Babu T. Joharmull	3,486	
Babu Pokermull Sewerpersad	3,158	
Messrs. Mirza Abdul Hussein and Co.	2,875	
Babu S. Goridhut Bagala	2,313	
Babu Golabraj Bagala	2,209	
Babu S. Soniram	2,167	
Messrs. Steel Brothers and Co., Limited	2,164	
Mr. C. D. Beenken	2,126	
Babu Gulraj Bagala	1,599	
Messrs. H. Krüger and Co.	1,511	
Messrs. Limouzin and Co.	1,297	

APPENDIX J.

Statement showing the Sale Prices of Teak Timber at Home during each month of the official year 1892-93.

Month.	Sale price of timber per ton (average). From	Sale price of timber per ton (average). To	Freight per ton.	Remarks.
1	2	3	3	4
	£	£	£ s. d. £ s. d.	
April 1892	9	11	0 37 6 to 0 42 6	
May "				
June "				
July "				
August "				
September "				
October "				
November "				
December "				
January 1893				
February "				
March "				
April "				
May "				
June "				

APPENDIX J (1).

Statement showing the Market Rate of Teak Timber in the Indian Market for the year 1892-93.

Month.	Bombay.				Calcutta.			
	Squares.		Scantlings.		Squares.		Scantlings.	
	From	To	From	To	From	To	From	To
1	2	3	4	5	6	7	8	9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
April 1892	55	75	55	80	55	70	60	90
May "	60	85	55	90	55	75	...	...
June "	65	80	50	70	...	...	...	...
July "	...	...	...	65	...	...	...	...
August "	...	...	...	...	...	...	...	...
September "	...	...	...	...	65	75	55	90
October "	...	...	...	...	...	...	...	...
November "	...	...	...	...	...	...	...	...
December "	...	...	...	...	...	...	...	...
January 1893	...	...	...	...	...	...	...	...
February "	...	...	...	...	...	...	...	...
March "	...	...	...	...	...	...	...	...
April "	...	...	...	...	...	...	...	...
May "	...	...	...	...	...	...	...	...
June "	...	...	...	...	...	...	...	...

APPENDIX K.

Pegu Circle.

Selling Rates in the Home Market for 1892-93—Churchill and Sime.

	£	s.	d.		£	s.	d.
April 1892	10	10	0	to	15	0	0
May "	9	10	0	to	15	0	0
June "	9	10	0	to	15	0	0
July "	9	10	0	to	15	0	0
August "	9	10	0	to	15	0	0
September "	9	10	0	to	15	0	0
October "	9	10	0	to	15	0	0
November "	9	10	0	to	15	0	0
December "	9	10	0	to	15	0	0
January 1893	9	10	0	to	15	0	0
February "	9	10	0	to	15	0	0
March "	9	10	0	to	15	0	0
April "	9	0	0	to	15	0	0
May "	9	0	0	to	15	0	0
June "	9	0	0	to	15	0	0

APPENDIX L.

Annual Return of Jungle Woods and Bamboos passed at the Government Timber Depôt and Pazundaung Revenue Station from 1st April 1892 to 30th June 1893.

Description of timber.		Logs.	Total.	Remarks.
1		2	3	4
Jungle wood ...	Pyinkado	188	...	Sold in the market at Rs. 28 0 0 per log.
	Thabyè	47	...	Ditto 12 0 0
	In	1,371	...	Ditto 14 0 0
	Thayet	2,861	...	Ditto 6 0 0
	Mamawga	37	...	Ditto 11 5 7
	Fire wood	251	...	Ditto 1 2 7
			4,755	
	Boats	400	400	Sold in the market from Rs. 20 to Rs. 500 per boat.
Bamboos ...	Myin	2,715,545	...	Sold in the market at Rs. 126 0 0 to Rs. 199 13 11 per 10,000
	Kyathung	497,150	...	Ditto 517 6 11 „ 687 10 7
	Tiu	71,200	...	Ditto 390 10 0 „ 545 7 3
	Myetsanni	1,500	...	Ditto 44 1 10 „ 83 3 8
			3,285,395	
	Grand Total ...	...	3,290,550	

APPENDIX M.

Averages of Sales at the Rangoon Central Depôt, 1892-93.

	Sale.	Rs.	A.	P.
April 1892	I	41	14	2
May "	II	50	13	11
June "	III	49	7	1
July "	IV	43	0	11
August "	V	36	10	1
September "	VI	42	6	1
October "	VII	41	13	6
November "	VIII	42	5	2
December "	IX	46	7	0
January 1893	X	43	2	7
February "	XI	45	6	1
March "	XII	49	10	3
April "	I	45	12	0
May "	II	47	5	11
June "	III	42	13	0

per ton.

APPENDIX O.

PEGU CIRCLE.

Statement showing Proposed Plan of Operations and Work effected.

Nature of work.	Division.	Operations.	
		Proposed.	Carried out.
1	2	3	4
Girdling	Thayetmyo	600 trees	600 trees.
	Prome	500 trees	1,664 trees.
	Tharrawaddy	8,000 trees	8,327 trees.
	Rangoon	1,000 trees	1,300 trees.
	Toungoo	7,900 trees	7,444 trees.
	Shwegyin	1,000 trees	960 trees.
	Total	19,000	20,295
Delivery to Rangoon.	Thayetmyo	1,712 logs	930 logs.
	Prome	2,400 logs	1,781 logs.
	Tharrawaddy	18,000 logs	14,902 logs.
	Rangoon	5,600 logs	4,555 logs.
	Toungoo	6,650 logs	9,872 logs.
	Shwegyin	3,300 logs	1,510 logs.
	Total	37,662	33,550
Local deliveries	Thayetmyo	903 logs	1,121 logs.
	Prome	800 logs	546 logs.
	Tharrawaddy	5,500 logs	8,029 logs.
	Rangoon	.....	1,120 logs.
	Shwegyin	500 logs	...
	Western	150 logs	54 logs.
	Total	7,853	10,870
Clearing steams	Tharrawaddy	Blasting Minhla	Carried out.
	ditto	Blasting Gamôn	ditto.
	ditto	Blasting Bawbin	Carried out, also in Taungnyo, Môkka, and Bilin.
	ditto	Clearing Taungnyo	Carried out, also in Gamôn, Minhla, Thônzè, and Bilin.
	Shwegyin	Clearing Yenwè	Carried out.
Collection of drift	Thayetmyo	400 logs	408 logs.
	Prome	310 logs	556 logs.
	Rangoon	600 logs	694 logs.
	Toungoo	5,000 logs	4,641 logs.
	Shwegyin	5,000 logs	1,637 logs.
	Western	500 logs	816 logs.
	Total	11,810	8,752
Roads	Tharrawaddy	Repairs, Kangyi	Not carried out.
	ditto	Repairs, Bilin	ditto.
	Rangoon	Repairs	Carried out.
Buildings	Prome	Two rest-houses	Not carried out.
	Shwegyin	One officer's quarters	Bungalow incomplete.
	Thayetmyo	Repairs to one bungalow	Carried out.
	Prome	Repairs to five rest-houses	ditto.
	do	Repairs to two bungalows	ditto.
	Tharrawaddy	Repairs to one bungalow	ditto.
	ditto	Repairs to one office	ditto.
	ditto	Repairs to ten rest-houses	ditto.
	Rangoon	Repairs to six rest-houses	ditto.
	Toungoo	Repairs to seven rest-houses	ditto.
	Shwegyin	Repairs to three rest-houses.	
Reserves, proposals, and settlement.	Thayetmyo	Kyauksansan	Abandoned.
	ditto	Panichaung	Settlement incomplete.
	ditto	Shandatgyi	ditto.
	Prome	Cutch reserves	Proposals prepared.
	Tharrawaddy	Myolè	Settlement incomplete.
	Toungoo	Kun	Kun proposals prepared.
	do	Pyu	Pyu proposals prepared.
	do	Kyauk-o	Kayuk-o area examined and proposal abandoned.
	Shwegyin	Mekwa	Proposals in course of preparation.
	do	Môn	
	do	Aingdôn	Proposals submitted.
Demarcation	Thayetmyo	Thigôn	Thigôn.
	ditto	Onhngèsan	Onhngèsan in part.
	ditto	Sinmataung	Sinmataung.
	ditto	Kyaukletya	Kyaukletgya.
	Tharrawaddy	Myolè	Not carried out.
	Rangoon	Pyinbôngyi	ditto.
	do	Pyinma	ditto.
	do	Kadegwè	Not yet finally notified.
	Shwegyin	Wunpain	ditto.
	do	Zaha-Kawliya	ditto.
	Western	[illegible]naung	Settlement incomplete.
Reserves—boundary repairs.	Thayetmyo	Three reserves	Three reserves.
	Prome	Four reserves	Four reserves.
	do	All blazed lines	Not carried out.
	Tharrawaddy	Twelve Karen areas	Carried.
	ditto	Two hundred and thirty-six miles blazed lines	ditto.
	ditto	Eight reserves	Carried out to three reserves only.
	Rangoon	Zamayi Karen areas	Carried out.
	do	Hlaing Yoma	ditto.
	do	All blazed lines	Not carried out
	Toungoo	Three reserves	Carried out with the exception of one Karen area on which the work is not completed.

APPENDIX O.

PEGU CIRCLE—concluded.

Statement showing Proposed Plan of Operations and Work effected—concluded.

Nature of work.	Division.	Operations. Proposed.	Operations. Carried out.
1	2	3	4
Inspection	Thayetmyo ...	.....	As much as possible.
	Prome ...	.....	All by rangers; 25 miles by gazetted officers.
	Tharrawaddy ...	.....	As much as possible.
	Rangoon ...	.....	Not carried out.
	Toungoo ...	.....	As much as possible and boundary inspected; noted on map.
	Shwegyin ...	.....	Carried out in part only.
Surveys ...	Toungoo ...	.....	Survey progressing.
Working plans	Tharrawaddy ...	Satpôk	Not carried out.
	Rangoon ...	Haing Yoma	Some valuation surveys made.
	Toungoo ...	.....	Carried out.
Planting	Thayetmyo ...	340 acres	306 acres; but cutch plantations not made.
	Prome ...	395 acres	408 acres.
	Tharrawaddy ...	1,060 acres	868 acres.
	Rangoon ...	366 acres	139 acres.
	Toungoo ...	55 acres	73 acres.
	Total ...	2,116	1,794
Weeding	Thayetmyo ...	711 acres	711 acres.
	Prome ...	1,855 acres	1,614 acres.
	Tharrawaddy ...	5,048 acres	5,269 acres.
	Rangoon ...	2,995 acres	2,290 acres.
	Toungoo ...	730 acres	711 acres.
	Total ...	11,339	10,595
Inspection of plantations.	Thayetmyo ...	.....	As much as possible.
	Prome ...	.....	
	Tharrawaddy ...	.....	As much as possible.
	Rangoon ...	.....	
	Toungoo ...	.....	
Fire-protection	Thayetmyo ...	20,800 acres	20,800 acres attempted, 1,920 unsuccessful.
	Prome ...	24,087 acres	24,085 acres attempted, 152 unsuccessful.
	Tharrawaddy ...	75,563 acres	76,471 acres attempted, 16,620 unsuccessful.
	Rangoon ...	45,145 acres	45,145 acres attempted, 2,880 unsuccessful.
	Toungoo ...	68,280 acres	64,790 acres attempted and successfully protected.
	Shwegyin ...	3,840 acres	3,840 acres attempted and successfully protected.
	Total ...	237,715	235,131
Inspection of burnt plantations.	Thayetmyo ...	216 acres	216 acres.
	Prome ...	6 yas	6 yas.
	Tharrawaddy ...	12 acres	12 acres.
Works of improvement.	Thayetmyo ...	1,440 acres	
	Prome ...	200 acres	
	Tharrawaddy ...	16,275 acres	16,275 acres.
	Toungoo ...	.....	230 acres.
Maintenance of Forest garden ...		... ...	Carried out.
Inspection of depôts and revenue stations		... ...	ditto.
Stock-taking at depôts		... ...	ditto.

APPENDIX P.

REPORT ON THE EXPERIMENTAL GARDEN (CIVIL SIDE), MERGUI, FOR 1892-93.

Liberian coffee.

1. The two small plots cleared last year for Liberian coffee were planted up with 1,122 plants taken from the nursery.

Yield.

Seventy-eight viss 10 ticals of seed were collected during the year.

Coffee disease.

2. Disease again made its appearance and it is now improbable that it can ever be eradicated. It has not as yet attacked the Arabian coffee, and in my opinion the Liberian plants should be destroyed before it can do so. During the year the Financial Commissioner forbade the further issue of Liberian plants from the gardens, on account of the disease having broken out in some that were brought to Tavoy. These, by the orders of the Deputy Commissioner, Tavoy, have all been destroyed.

The seed collected during the year is being kept on hand pending further orders from the Financial Commissioner.

3. Arabian coffee has so far failed to fruit and cannot be considered a success. Those trees planted in the shade appear the healthiest and those now in exposed localities will be transplanted during the year.

Arabian coffee.

4. The number of large cocoa plants remains at four. Forty-one young plants were set out during the year, but they have not done well. The leading shoots die off.

Cocoa.

5. During 1891-92 a large number of vanilla cuttings were set out beneath large trees. The experiment has been very successful. These cuttings have grown beautifully in the dense shade. I would recommend on the strength of this that the vanillerie be supplied with a thatched roof as the plants in it which are exposed to the sun are very inferior to the others.

Vanilla.

6. Tea seems to have gained by its removal to the neighbourhood of water. No plants died during the year, the number remaining at 69.

Tea.

These are healthy enough, but somewhat stunted and irregular.

7. Pepper has for some as yet unexplained reason proved a failure. Out of 1,354 cuttings set out during the year 678 have died, leaving 676. The Forester puts this down, like all other failures, to white ants, but although I found white ants inside one root that I pulled up I do not consider that they are the original cause. Termites can, I believe, only attack dead tissues, and it is therefore probable that the original injury is due to the presence of some root fungus. The appearance of the roots also favours this theory. If this view is correct a change of locality or variation in the water-supply will probably effect a cure.

Pepper.

Plants grown from seeds would also be likely to have a healthier root system than cuttings and could resist the fungus better.

8. The Mauritius pineapples have been increased from 4 to 7. One fruited successfully last year and two others are well advanced now.

Mauritius pine.

9. Cardamoms are doing badly and experiments should be made to find out their requirements. Manuring will be first tried.

Cardamoms.

10. Two coca plants presented by the Deputy Commissioner, Mergui, were set out during the year and are doing well.

Coca.

11. Two *Oreodoxa Rejia* also given by the Deputy Commissioner are unfortunately sickly.

Oreodoxa Rejia.

12. Annexed forms show—

Annexed forms.

(*a*) the plantings since 1885-86;
(*b*) the increase and decrease of the various species during the year.

It will be seen that these two forms show discrepancies in the total number of Arabian coffee, tea, vanilla, and rambosteen now left. I have no data in this office by which these mistakes can be traced, but the totals shown in the form for the year 1892-93 only should be correct. The garden forester will be called on for an explanation and if required this can be forwarded when received.

Errors in forms.

13. The receipts for 1892-93 are as follows:—

Receipts during the year.

	Rs.	A.	P.	
Coffee	28	9	6	(at Rs. 2 per viss).
Annotto	8	8	6	
Betel-nut	5	15	0	
Jack fruit	2	0	0	
Total ...	40	1	0	

During the year under report the annual grant of Rs. 1,000 was exceeded by Rs. 299-11-9, and a further allotment of Rs. 350 was applied for and sanctioned. The expenditure is that incurred from 1st March 1892 to 28th February 1893.

Expenditure.

Prior to April 1892 the accounts for the civil side were not kept in this office and consequently out of Rs. 167 spent in March 1892 Rs. 93-8-0 cannot be traced; this leaves a balance of Rs. 1,206-3-9 to account for.

Out of this I find that Rs. 762-6-9 was spent on coffee and Rs. 411-5-0 on pepper, leaving a balance of Rs. 32-8-0 to be devoted to all other experiments on the civil side. This was spent as follows :—

	Rs.	A.	P.	
Cart hire	4	12	0	
Mats	1	0	0	(for exposing Annotto seed to sun).
Bats' dung	25	0	0	(for nutmegs).
Charcoal	0	8	0	Vanilla.
Shaw fibre and nails	1	4	0	Vanilla.
Total ...	32	8	0	

I think it will be admitted that the fairly successful cultivation of vanilla, nutmeg, Mauritius pines, coca, and tea are cheap at the price. This is the more obvious when we see that the expenditure of Rs. 1,206-3-9 on coffee and pepper has resulted in a failure. It is as a matter of fact perfectly impossible to carry out any number of experiments at one time in a satisfactory manner on a grant that is so ridiculously inadequate.

The minor but none the less valuable experiments must be starved to allow of a more approximately reasonable expenditure on those of greater importance. The fact that not one anna could be spared *for tea* during the year speaks for itself, and the further fact that the plants are growing gaily in spite of this neglect only shows how certainly a little expenditure would be repaid. Cardamoms, cocoa, nutmegs, and vanilla are also urgently in need of further experiments. It is said to be impossible to make an omelette without the breaking of eggs, and it is hardly easier to make an omelette for ten by breaking eggs enough for two. If the grant can be increased as I strongly recommend that it should to Rs. 2,500 (or more), I believe that less than 5 years would see some of the existing experiments brought to a satisfactory conclusion and fresh ones taken up in their place. If the present grant is continued many of the existing experiments must be abandoned as failures merely for want of the money that would prove them successes.

It is evidently impossible to take up new experiments when the funds do not suffice for those already in-hand.

TAVOY:
The 1st May 1893.

G. R. LONG,
Assistant Conservator of Forests,
South Tenasserim Division.

Form showing number of plants that have been planted or have died during each year since 1885-86.

CIVIL SIDE.

No.	Name of plant.	Balance on 31st April 1885-86.	1886-87. Number of plants. Planted during year.	Died.	Balance.	1887-88. Number of plants. Planted during year.	Died.	Balance.	1888-89. Number of plants. Planted during year.	Died.	Balance.	1889-90. Number of plants. Planted during year.	Died.	Balance.	1890-91. Number of plants. Planted during year.	Died.	Balance.	1891-92. Number of plants. Planted during year.	Died.	Balance.	1892-93. Number of plants. Planted during year.	Died.	Balance.
1	Liberian coffee	3,809	...	1,180	2,629	...	12	2,617	...	2	2,615	815	58	3,372	...	19	3,355	...	15	3,338	1,122	136	4,324
2	Arabian coffee	2,072	...	1,338	734	...	65	669	...	141	528	148	270	406	3,036	146	3,296	...	395	2,901	...	174	2,727
3	Cocoa	18	...	4	14	127	77	64	...	44	20	...	6	12	...	8	4	...	...	4	48	7	45
4	Tea	25	200	64	161	...	13	148	...	...	148	...	...	148	...	...	148	...	103	45	...	...	45
5	Vanilla	243	...	1	242	49	...	291	...	...	291	...	...	291	183	49	425	70	278	217	...	20	197
6	Pepper	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,354	678	676
7	Kywe-gaw	...	...	...	...	...	...	...	...	...	...	54	...	54	...	...	54	...	...	54	...	...	54
8	Cardamoms	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,031	128	903	...	89	814
9	Mauritius pineapple	...	...	4	4	3	...	7	...	...	7	...	...	7	...	...	7	...	...	7	...	...	7
10	Coca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
11	Oreadoxa Rejia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
12	Rambosteen	115	...	12	103	7	73	37	...	...	37	...	...	37	...	...	37	...	...	37	...	...	37

Detailed Form showing number of plants that have been planted or have died during 1892-93.

CIVIL SIDE.

No.	Name of plant.	Balance on 1st April 1892. Large	Small.	Total.	Planted during year 1892-93.	Died during year. Large.	Small.	Total.	Increase.	Decrease.	Balance on 31st March 1893. Large.	Small.	Total.	Remarks.
1	Liberian coffee	2,557	781	3,338	1,122	136	...	136	986	...	2,421	1,903	4,324	Bad (disease not yet eradicated.)
2	Arabian coffee	57	2,801	2,858	...	...	174	174	...	174	57	2,627	2,684	Unsatisfactory; does not fruit.
3	Cocoa	4	...	4	48	...	7	7	41	...	4	41	45	Unsatisfactory; leading shoots die.
4	Tea	69	...	69	...	...	...	...	...	...	69	...	69	Healthy, but scraggy.
5	Vanilla	9	201	210	...	...	20	20	...	20	9	181	190	Healthy in shade, poor in sun.
6	Pepper	...	...	...	1,354	...	678	678	676	...	...	676	676	Very unsatisfactory; roots attacked.
7	Kywe-gaw	...	54	54	...	...	...	...	...	...	...	54	54	Fair.
8	Cardamoms	...	903	903	...	...	89	89	...	89	...	814	814	Unsatisfactory; etrolated.
9	Mauritius pineapple	...	4	4	3	...	...	...	3	...	...	7	7	Good.
10	Coca	...	...	...	2	...	...	...	2	...	...	2	2	Good.
11	Oreodoxa Rejia	...	...	...	2	...	...	...	2	...	...	2	2	Weakly.
12	Rambosteen	...	30	30	...	...	...	...	...	...	...	30	30	Fair.

Extracts from Chapter II of West Salween Division Annual Report for 1892-93.

MANAGEMENT OF STATE FORESTS.

I.—REGULATION OF MANAGEMENT.

(a) *Working plans and their control.*

* * * * *
* * * * *

Within the existing reserves, the Karens are beginning to realize that they are virtually building themselves off, as the eligible lands become occupied with the teak they are planting. Although according to the Forest Act these villagers work and settle in the reserves only upon a kind of sufferance and, strictly speaking, need to have passes for the right to cultivate, this has not been kept before them, but, on the contrary, the Karen settlers have been encouraged to plant their villages in the reserve and to cultivate wholly within the same, thus losing the footing they originally had in the adjacent unreserved lands, which become occupied by new settlers.

By whom ?—H. R. S. 29-8-93.

I am sorry to say I have been in the district too short a time to venture to give any opinion on the question.— H. E.

* * * * *
* * * * *

ARTIFICIAL REPRODUCTION.

* * * * *

About 1,000 acres were cleared by the cultivators. Half of this was spoiled by the early break of the monsoon of 1892, which prevented the burning of the lumber.

This reduced the prospects of the teak-planting, and the fact was reported in letter No. 19-24, dated the 12th May 1892. The Conservator of Forests, however, in his No. 154, dated the 15th May 1892, holds that the failure to burn ought to make no difference. I submit that the cultivators could not be expected to plant and weed teak for Rs. 8 per 1,000 on lands devoid of, because unfit for, crops.

I concur, knowing what kind of a man a Karen is.—H. R. S. 29-8-93.

Extracts from Chapter II of Salween-Ataran Division Annual Report for 1892-93.

II.—WORKING OF THE YEAR.

(a) *Communications and Buildings.*

The two abandoned police stations of Thingannyinaung and Atsun were purchased from the Police Department for Rs. 20 and the former converted into a Forest Rest-house at a cost of Rs. 86-10-8. The latter was roofed at a cost of Rs. 5.

This is new to me, and I do not know of any sanction for it.—H. R. S. 29-8-93.

* * * * *
* * * * *

(II-b).—PROTECTION OF FORESTS FROM INJURY.

(1).—*General protection and breaches of Forest law.*

During the financial year 121 cases, involving 146 persons, were disposed of as follows :

(a) *Before Magistrate.*

Seventeen cases, involving 24 persons. Convictions were obtained in the case of 16 persons, six were acquitted, and one case was thrown out ; 73 per cent. of convictions were obtained, Rs. 275 being the total amount of fine imposed on the 16 convictions.

(b) *Compounded by the Divisional Officers.*

One hundred and four cases, involving 122 persons, were compounded for Rs. 2,140-7-10. The majority of these consisted in bringing unreserved timber to revenue stations under time-expired licenses.

In the case mentioned above as thrown out by the Deputy Commissioner, Amherst district, two accused were charged with having taken possession of supermarked and converted into a boat thingan logs that had been felled and marked by another license-holder, the Deputy Commissioner held that it was a matter to be decided in a Civil Court and that no criminal charge could lie.

I will call for this record if Conservator will give me the names.—H. R. S. 29-8-93.

* * * * *

(3) EARLY THINNINGS.

* * * * *

The cost in the Ataran is slightly higher than usual, as in addition to actual weeding the plants in the plantations of 1891 originally planted in triple rows, 100 feet line were transplanted and single rows varying from 30 to 50 feet apart made.

What advantage was there in this ?—H. R. S. 29-8-93.

Extracts from Annual Report of South Tenasserim Division for 1892-93.

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CHAPTER II.—MANAGEMENT OF STATE FORESTS.

* * * * *

I.—REGULATION OF MANAGEMENT.

(*b*) *Annual Plan of Operations.*

* * * * *

WORKS IN THE MERGUI EXPERIMENTAL GARDEN.

* * * * *

Owing to diseased plants; being exported to Tavoy. —J. C.

Only plants, sale of seed for drinking purposes still allowed—see Direction 328-177R., 10th June.—H.G.B.

(7) Distribution of coffee seed and plants stopped by Financial Commissioner.

* * * * *

WORKING OF THE YEAR.

(*a*) *Communications and Buildings.*

* * * * *

Buildings.—The Mintha chaung, which drains the Mintha chaung reserve, was taken in hand during 1882. In a note left by Mr. Aplin the total cost during the season 1882-83 was Rs. 3,696. The results were comparatively insignificant. This stream, from its source to its mouth, in the Taungbyauk chaung, consists of a series of obstructions of dangerous rocks and the amount of labour and expenditure which would have to be expended to produce any useful results would be enormous. During the rains the stream runs with great force, rises and falls very quickly, and it is only during very high floods, which last only a short time, two or three days at the most, that lightwood logs may be shot down with doubtful results. The heavy valuable woods, such as thingan and pyinkado, which require bamboos to float them, cannot at all be rafted down this stream. It is on this account that the Mintha chaung reserve, although containing a large quantity of valuable timbers, may be considered for all practical purposes as inaccessible.

But although the blasting operations on the Tavoy river has greatly opened it out, timber can only be floated down during July to October, when the river is still high. There are still a great many rocks which are in the channel which might be blasted. By blasting a judicious selection of these rocks, rafts may be floated with less fear of being broken up, and the rafting season may be extended over a longer period. The navigation of the Yesagyi, Yesotha, and Byat-hu rapids in particular, are greatly open to improvement. The Henzè chaung, down which a great deal of timber and bamboos are floated, is also full of obstruction which might be profitably cleared.

Strongly support the Extra Assistant Conservator's recommendations for removing the obstruction particularly in the Taungbyauk creek and in the Upper reaches of the Tavoy river. I trust that funds will be allotted for this purpose in the next budget.—J. C.

It is impossible to estimate how much it would cost to clear all obstructions both in the Tavoy river and in the Henzè chaung. The most practical procedure would be to sanction a certain amount for the work and to do all that can be done for that amount.

* * * * *

I do not think that the work of clearing the Tavoy river and Henzè chaung can be completed this season (1892). This will probably be got through at the end of next dry season. After this is done, I would propose the following streams to be taken in hand in the following order:—

(i) Sources of the Tavoy river (in the Kalemaing reserve).
(ii) Zinba chaung.
(iii) Talaingya chaung.
(iv) Taungbyauk chaung.

I agree.—H. G. B.

I have submitted no proposals for the Mergui district as I do not think that any are necessary at present.

* * * * *

Communication by land. 9.—As all timber in this division is brought down either to Tavoy or Mergui and then sawn, and not ever converted in the jungles, cart-roads for the transport of sawn timber are not necessary. Dragging paths are kept by the timber cutters themselves in good repair.

Not specified, the forest at the headwaters of the Ban and Kamaungtwe creeks might be profitably worked if funds were provided.—J. C.

It has, however, come to my notice that there are two or three forests which are at present not worked because of difficulties of transport by land. Money spent in clearing jungle and constructing dragging paths would be well repaid.

* * * * *

(4) EXPERIMENTS.

Experimental Garden at Mergui.

* * * * *

17. *Other plants.*—The solitary mahogany plant continues to struggle on, but is not at all healthy. The Annotto continue healthy, and yielded 2¾ baskets of seed. Nutmegs are doing very well, as are the kyetmauk also. The number of plants of these and other species is given in detail below :—

If the Conservator of Forests could see the Penang nutmegs I do not think he would consider that the nutmegs in the garden were doing well. Very high cultivation necessary.—H. G. B.

* * * * *

CHAPTER V.

GENERAL REMARKS.

* * * * *

70. *Export of Boat-hulls.*—The export returns for this year show a further increase in the number of boat-hulls exported from Tavoy.

This is very satisfactory. The customs returns for Mergui were not to hand at the time of this report, so it is not known how many boat-hulls were exported from that port.

The office was not referred to.
Only 7 boat-hulls exported.
Thingan 2
Kaunghmu 5.—H. G. B.

* * * * *

Establishments.—The forest establishment has, with few exceptions, worked badly. One forester was dismissed for extortion, another was suspended for drunkenness and insubordination; and fines have had to be frequently inflicted.

I regret to have to note that four of the Foresters employed in the Mergui district had to be handed up to the Conservators of Forests and I do not consider the men now employed are fit for their work.—H. G. B.

MERGUI :
The 26th September 1893.

Marginal Notes and Endorsements by Deputy Commissioners and Commissioners on the Divisional Annual Forest Reports of the Pegu Circle for the Forest year 1892-93.

Thayetmyo Division.

From G. L. WEIDEMANN, Esq., Officiating Commissioner of the Irrawaddy Division, to the Conservator of Forests, Pegu Circle,—No. 4019-5F.—7, dated the 26th August 1893.

IN forwarding the report on the Forest Administration of the Thayetmyo district for the year 1892-93, I have the honour to make the following remarks :—

* * * * *

Paragraph 3.—The final proceedings in respect of the Panichaung and Shandat cutch reserves are now before me. I trust to be able to forward them very shortly.

* * * * *

Paragraph 35.—I do not understand the remarks made in this paragraph. Under orders contained in Financial Department letter No. 677-2F.—1, dated the 29th March 1893, from the Assistant Secretary to the Chief Commissioner to the Conservator of Forests, Pegu Circle, the tax on head-loads of firewood was remitted. Head-loads and shoulder-loads are, I presume, one and the same.

* * * * *

Paragraph 38.—I presume there is no mistake as to the enormous number of bamboos extracted from Kama, especially those free of revenue.

* * * * *

Paragraph 55.—The tendency to adulterate cutch with bark is doubtless being watched.

Prome Division.

Endorsement by Lieutenant-Colonel C. A. CRESSWELL, Deputy Commissioner, Prome,—dated the 30th August 1893.

FORWARDED.

Endorsement by Major F. D. RAIKES, C.I.E., Officiating Commissioner of the Pegu Division,—dated the 8th September 1893.

RETURNED.

Tharrawaddy Division.

Note by J. N. O. THURSTON, Esq., Deputy Commissioner, Tharrawaddy, on paragraph 20, regarding the prosecution of six men for burning yas inside the Minhla reserve.

THE case has been sent back to the Myoôk for further enquiry.

Endorsement by J. N. O. THURSTON, Esq., Deputy Commissioner, Tharrawaddy,—No. 2094, dated the 22nd August 1893.

FORWARDED.

Endorsement by Major F. D. RAIKES, C.I.E., Officiating Commissioner of the Pegu Division,—dated the 23rd August 1893.

FORWARDED.

Rangoon Division.

Endorsement by J. K. MACRAE, Esq., Deputy Commissioner, Hanthawaddy,—dated the 21st August 1893.

SEEN and forwarded.

Endorsement by J. S. D. FRASER, Esq., Deputy Commissioner, Pegu,—dated the 24th August 1893.

SEEN and forwarded.

Endorsement by Major F. D. RAIKES, C.I.E., Officiating Commissioner of the Pegu Division,—dated the 1st September 1893.

SEEN and returned to the Conservator of Forests, Pegu Circle. I have no remarks to make on the report.

Toungoo Division.

Notes by G. M. S. CARTER, Esq., Deputy Commissioner, Toungoo.

In regard to inclusion of Karen areas in settled reserves.—On the Western Yomas the Karens are, I think, beginning to be discontent with taungya-cutting, and there is a tendency to move to the plains and take to permanent cultivation.

In regard to the work and pay of the Forest subordinates.—The work in the police is very heavy. Nevertheless, I should doubt if there is much to choose between the two offices on that ground.

Endorsement by G. M. S. CARTER, Esq., Deputy Commissioner, Toungoo,—dated the 18th August 1893.

THE year's report is, I think, a very satisfactory one.

Endorsement by Colonel H. R. SPEARMAN, Commissioner of the Tenasserim Division,—dated the 25th August 1893.

FORWARDED. I concur with the Deputy Commissioner. I do not find anything on which I could usefully remark.

Shwegyin Division.

Endorsement by W. H. A. ST. J. LEEDS, Esq., Deputy Commissioner, Shwegyin,—No. 1354, dated the 20th August 1893.

FORWARDED.

Note by Colonel H. R. SPEARMAN, Commissioner of the Tenasserim Division, on paragraph 74, regarding the settlement of the proposed Aingdôn-Kun reserve.

I CONCUR. The Deputy Commissioner cannot, I think, do the work.

Endorsement by Colonel H. R. SPEARMAN, Commissioner of the Tenasserim Division,—No. 3928-1148, dated the 29th August 1893.

FORWARDED to the Conservator of Forests, Pegu Circle.

Western Division.

From H. S. HARTNOLL, Esq., Deputy Commissioner, Bassein, to the Commissioner of the Irrawaddy Division,—No. 820-1R.—3, dated the 17th August 1893.

I HAVE the honour to state that I have today forwarded to the Deputy Commissioner, Henzada, the annual report of the Deputy Conservator of Forests for 1892-93.

2. With regard to Bassein, I see little to remark, especially as I was not in charge of this district during 1892-93.

3. I certainly think it would be useful to plant a few of the seedlings of the kyathaung bamboo in a Government forest garden, so as to obtain clear information with regard to the species.

Endorsement by Lieutenant-Colonel J. BUTLER, Deputy Commissioner, Henzada,—dated the 22nd August 1893.

FORWARDED to the Deputy Commissioner, Thôngwa.

Endorsement by Captain G. E. T. GREEN, Deputy Commissioner, Thôngwa,—dated the 25th August 1893.

FORWARDED to the Commissioner without remarks. There appears to be a clerical error in the statement of the collection of drift timber, Yandoon being twice mentioned.

Endorsement on the above by G. L. WEIDEMANN, Esq., Officiating Commissioner of the Irrawaddy Division,—Revenue Department No. 4080-5F.—7, dated the 25th August 1893.

ONE river and the other sea drift.

From G. L. WEIDEMANN, Esq., Officiating Commissioner of the Irrawaddy Division, to the Conservator of Forests, Pegu Circle,—No. 4080-5F.—7, dated the 29th August 1893.

I HAVE the honour to forward copy of the Forest Annual Report for the Western Division for 1892-93, together with the remarks in original of the Deputy Commissioners, Bassein, Thôngwa, and Henzada.

I have just submitted to the local Government the proceedings regarding the Myanaung South reserve.

It is hoped that means for the speedy reproduction of the valuable kyathaung bamboo may be taken.

As remarked by Mr Norton last year, I should have liked to see fuller remarks respecting the taxation of bamboos, canes, and firewood. In more ways than one the division is fast rising in importance, and the time may have come to divide it.

q

G. B. C. P. O.—No. 6138, B. S., 6-1-94—800